HIGHWAY PRESERVATION NEEDS REPORT

May 2019

Akron Metropolitan Area Transportation Study 161 S. High St., Suite 201/Akron, Ohio 44308 Phone: (330) 375-2436 FAX: (330) 375-2275

This report was prepared by the Akron Metropolitan Area Transportation Study (AMATS) in cooperation with the U.S. Department of Transportation, the Ohio Department of Transportation, and the Village, City and County governments of Portage and Summit Counties and Chippewa and Milton Township in Wayne County. The contents of this report reflect the views of AMATS, which is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official view and policies of the Ohio and/or U.S. Department of Transportation. This report does not constitute a standard, specification or regulation.

Introduction

The Akron Metropolitan Area Transportation Study (AMATS) recognizes that maintaining and preserving the existing highway system should be a priority of the transportation planning process. Therefore, the purpose of this report is to estimate the federal funds (in 2019 dollars) needed to preserve and maintain the existing highway system between now and 2045. This report will not list specific maintenance projects; however, it will describe the existing highway system and outline highway resurfacing and replacement needs as well as bridge maintenance and replacement needs.

All highway system preservation projects on the federal aid system will be considered consistent with the Regional Transportation Plan, named *Transportation Outlook 2045*, and will be eligible for federal funding as it becomes available. Highway maintenance items, such as shoulder and drainage improvements, pavement repairs, guardrail, fence replacement, pavement markings, signage, lighting and painting are included in the estimated costs for highway resurfacing and bridge maintenance. The findings of this report will be used in determining the portion of anticipated federal funding that should be reserved for highway projects to ensure maintenance and preservation of the existing highway system over the life of *Transportation Outlook 2045*.

Existing Highway System

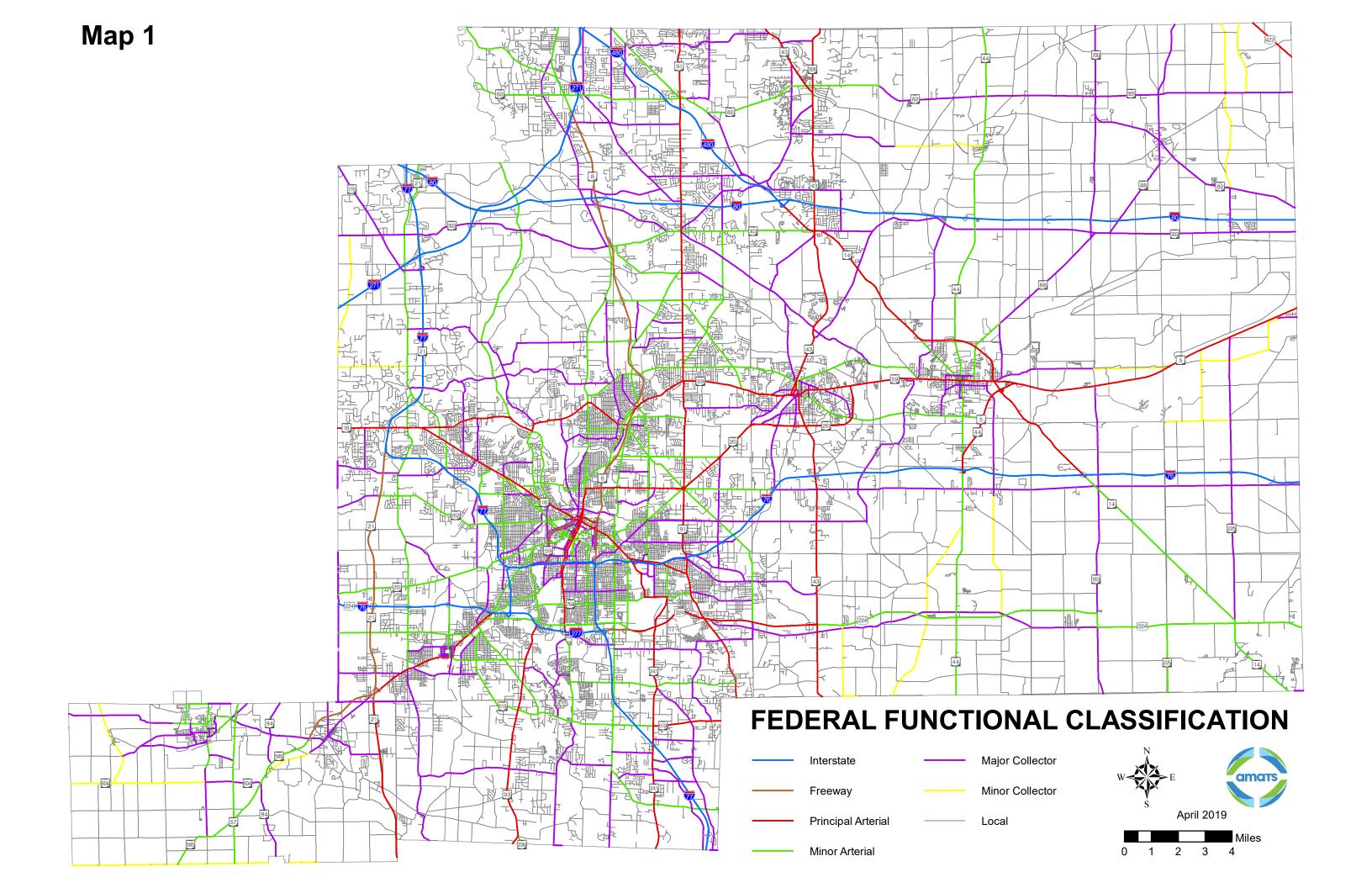
Roadways

The Akron metropolitan area contains 4,774 miles of roadways. Map 1 shows the roadways by federal functional classification. Local roads are exhibited on the map for reference and are shown as thin light grey lines in the background. Table 1 shows the length in miles and lane miles for each roadway classification.

Table 1: M	ileages by	Roadway	Classification
------------	------------	---------	----------------

Federal Functional Classification	Length (in Miles)	Number of Lane Miles
Interstate	100	462
Expressway	35	171
Ohio Turnpike (I-80)	34	192
Principal Arterial	190	567
Minor Arterial	356	911
Major Collector	516	1,119
Minor Collector	64	127
Local	3,479	6,990
Totals:	4,774	10,539

Please note that minor collectors and local roads are not considered part of the federal aid system; therefore, they are not eligible for federal funding and will not be included in the pavement cost estimates in the subsequent sections. The local jurisdiction or the county in which they are located assumes responsibility for maintaining these roadways.



The Ohio Department of Transportation (ODOT) has developed a rating method in order to determine the extent and severity of pavement deterioration on roadways. This rating, known as Pavement Condition Rating (PCR), is obtained by observing settlements, the extent and frequency of pavement erosion, and measurements of cracks and faulting in asphalt or concrete pavements. Calculated by a mathematical formula using data gathered in the field, the PCR is a single numeric value between 0 and 100 that is used to describe a pavement's condition at a given point in time. The higher this value is, the better the pavement condition. When the pavement PCR value drops below 65, an overlay or rehabilitation should be considered. However, ODOT may prioritize projects for pavement rehabilitation or reconstruction depending on the availability and distribution of federal funds.

Table 2 lists the Lane Miles and percentages for National Highway System (NHS) roadways based on Good, Fair, and Poor roadway pavement condition. This table is also subdivided by interstate and non-interstate and includes a comparison of AMATS and statewide roadways. The PCR ratings for interstates generally have better PCR ratings than non-interstates for the AMATS area and statewide. Interstates have higher traffic volumes and generally are given priority over other roadways. However, non-interstates provide more access and still need to be maintained. Also, statewide roadways seem to be better maintained than those within the AMATS area.

Table 2: PCR Ratings for Interstate and Non-interstate (AMATS and Statewide)

Interstate

AMATS - Lane Miles						Statewide - Lane Miles			
					SW		SW		
Year	Good	Fair	Poor	Total	Good	SW Fair	Poor	Total	
2010	355.3	949.2	0.0	1,305	6,371	9,529	1.1	15,901	
2011	397.5	903.8	2.4	1,304	5,467	10,414	56.9	15,938	
2012	382.1	919.8	2.4	1,304	5,456	10,584	18.3	16,058	
2013	367.0	934.8	1.8	1,304	5,701	10,423	6.4	16,131	
2014	399.9	897.5	6.1	1,304	5,671	10,471	18.6	16,161	
2015	164.1	1157.8	7.0	1,329	5,514	10,711	20.9	16,246	
2016	567.8	753.9	0.8	1,323	9,838	6,401	14.5	16,254	
2017	768.3	583.0	6.6	1,358	10,624	5,854	21.2	16,498	
AMATS	S - %				Statewide - %				
					SW		SW		
Year	Good	Fair	Poor	Total	Good	SW Fair	Poor	Total	
2010	27%	73%	0.0%	100%	40%	60%	0.0%	100%	
2011	30%	69%	0.2%	100%	34%	65%	0.4%	100%	
2012	29%	71%	0.2%	100%	34%	66%	0.1%	100%	
2013	28%	72%	0.1%	100%	35%	65%	0.0%	100%	
2014	31%	69%	0.5%	100%	35%	65%	0.1%	100%	
2015	12%	87%	0.5%	100%	34%	66%	0.1%	100%	
2016	43%	57%	0.1%	100%	61%	39%	0.1%	100%	
2017	57%	43%	0.5%	100%	64%	35%	0.1%	100%	

Table 2: PCR Ratings for Interstate and Non-interstate (AMATS and Statewide) (continued)

Non-Interstate

AMATS - Lane Miles						Statewide - Lane Miles			
					SW		SW		
Year	Good	Fair	Poor	Total	Good	SW Fair	Poor	Total	
2010	210.7	367.1	0.0	578	7,717	8,602	1	16,320	
2011	226.4	356.0	3.6	586	6,503	9,773	61	16,337	
2012	240.8	669.6	20.1	930	8,544	14,835	180	23,559	
2013	279.5	667.4	7.9	955	8,052	15,806	89	23,948	
2014	178.8	764.7	10.1	954	8,305	15,547	119	23,972	
2015	169.3	771.9	14.4	956	7,654	16,185	180	24,018	
2016	317.7	757.0	32.1	1,107	11,192	13,217	311	24,719	
2017	315.6	626.0	38.3	980	11,118	14,629	363	26,110	
AMATS	S - %				Statewide - %				
					SW		SW		
Year	Good	Fair	Poor	Total	Good	SW Fair	Poor	Total	
	Good	1 an			Good	D 11 1 4411			
2010	36%	64%	0.0%	100%	47%	53%	0.0%	100%	
2010 2011									
	36%	64%	0.0%	100%	47%	53%	0.0%	100%	
2011	36% 39%	64% 61%	0.0% 0.6%	100% 100%	47% 40%	53% 60%	0.0% 0.4%	100% 100%	
2011 2012	36% 39% 26%	64% 61% 72%	0.0% 0.6% 2.2%	100% 100% 100%	47% 40% 36%	53% 60% 63%	0.0% 0.4% 0.8%	100% 100% 100%	
2011 2012 2013	36% 39% 26% 29%	64% 61% 72% 70%	0.0% 0.6% 2.2% 0.8%	100% 100% 100% 100%	47% 40% 36% 34%	53% 60% 63% 66%	0.0% 0.4% 0.8% 0.4%	100% 100% 100% 100%	
2011 2012 2013 2014	36% 39% 26% 29% 19%	64% 61% 72% 70% 80%	0.0% 0.6% 2.2% 0.8% 1.1%	100% 100% 100% 100% 100%	47% 40% 36% 34% 35%	53% 60% 63% 66% 65%	0.0% 0.4% 0.8% 0.4% 0.5%	100% 100% 100% 100% 100%	

AMATS also calculated the average PCR for each community/county to determine the average condition of roadways throughout the entire AMATS area. Table 3 lists each community with its corresponding average PCR based on lane miles. Please note that the red numbers in Table 3 signify a reduction in PCR rating from 2016 to 2018. This list does not include local roadways, which could have a better PCR rating. Local roadways are not examined because they are not eligible for federal funds. In general, the average PCR ratings in the AMATS area improved from 2016 to 2018.

A full map of PCR ratings can be found on the ODOT TIMS website located at: https://gis.dot.state.oh.us/tims/. Please be sure to select both "PCR (state)" and "PCR (local)" for more detailed information in your community. Please note "PCR (local)" is defined as "Non-State Route" in Table 3 to avoid confusion.

The AMATS Pavement Analysis Program will start in 2019. This program will collect more detailed pavement condition data along functionally classified roadways in the AMATS area. This data will replace the ODOT PCR data and will become the standard for AMATS's future pavement analyses.

Table 3: Average PCR by Community

	Stata D	outo Arr	maga DCD		n-State		Tota	al Avera	ao DCD
Political Unit			erage PCR		verage				O .
	2016	2018	Change	2016	2018 84.94	Change 8.50	2016	2018 84.46	Change 4.19
Portage Co. Unincorporated	81.61	84.21	2.60	76.44			80.26		
Aurora	88.57	81.68	6.89	68.69	82.22	13.53	82.04	81.90	0.14
Garrettsville	87.59	87.85	0.26				87.59	87.85	0.26
Hiram	80.37	93.70	13.33	72.7 <i>C</i>	50.25	4.50	80.37	93.70	13.33
Kent	80.39	81.79	1.40	73.76	78.35	4.59	77.46	79.93	2.47
Mantua Manadara (DOD)	83.64	83.33	0.31	96.00	71.00	15.00	83.64	83.33	0.31
Mogadore (POR)	76.00	74.60	0.11	86.00	71.00	15.00	86.00	71.00	15.00
Ravenna	76.80	74.69	2.11	78.18	74.22	3.96	77.51	74.41	3.10
Streetsboro	77.58	77.83	0.25	68.93	80.77	11.85	74.28	79.15	4.87
Tallmadge (POR)	5655	55 02	0.02	70.54	70.54	0.00	70.54	70.54	0.00
Windham	76.75	75.83	0.92	85.46	90.26	4.80	80.32	82.53	2.22
Portage Co. Totals	81.58	83.25	1.66	75.01	82.69	7.68	79.61	83.04	3.43
Symmit Co. Uninggmanated	92.02	00 Δ1	5 00	77.24	90.24	2.00	70.10	02.70	2.50
Summit Co. Unincorporated	82.92	88.01	5.09	77.34	80.24	2.89	79.19	82.78	3.59
Akron	78.61	80.17	1.56	70.26	73.40	3.14	73.11	75.54	2.43
Barberton	75.19	70.28	4.91	72.49	72.08	0.41	72.94	71.86	1.09
Boston Heights	78.00	93.61	15.61	71.64	91.81	20.17	73.22	92.67	19.45
Clinton	(0.54	06.04	26.40	42.67	44.60	1.92	42.67	44.60	1.92
Cuyahoga Falls	69.54	96.04	26.49	72.40	72.44	0.03	72.34	75.61	3.27
Fairlawn	97.23	87.33	9.89	65.27	73.06	7.78	78.81	77.98	0.83
Green	82.39	74.94	7.45	75.93	77.77	1.84	78.02	76.98	1.05
Hudson	87.16	84.76	2.40	79.02	74.75	4.27	82.22	77.70	4.52
Lakemore	04.04	00.00	2 = 4	66.41	66.41	0.00	66.41	66.41	0.00
Macedonia	84.24	90.98	6.74	66.68	75.85	9.17	75.58	83.18	7.60
Mogadore (SUM)	75.13	73.00	2.13	76.88	73.02	3.86	76.30	73.02	3.28
Munroe Falls	81.03	79.49	1.54	74.44	65.80	8.64	77.87	71.95	5.92
New Franklin	91.78	84.58	7.20	43.00	81.73	38.73	69.92	83.16	13.24
Northfield	84.51	82.00	2.51		64.00		84.51	82.00	2.51
Norton	79.72	65.08	14.64	62.55	64.98	2.42	66.79	65.02	1.77
Peninsula	77.78	96.00	18.22	65.57	63.73	1.83	71.20	76.05	4.85
Reminderville				91.69	91.74	0.05	91.69	91.74	0.05
Richfield	94.54	87.53	7.00	79.78	84.30	4.52	90.79	86.74	4.05
Silver Lake	80.99	79.00	1.99	67.63	64.00	3.63	75.34	70.63	4.71
Stow	78.65	60.53	18.12	79.37	78.13	1.24	79.09	68.81	10.27
Tallmadge (SUM)	88.44	85.00	3.44	75.19	73.83	1.36	80.76	77.75	3.00
Twinsburg	86.96	86.04	0.92	78.08	83.78	5.70	82.55	84.74	2.19
Summit Co. Totals	82.57	80.68	1.88	72.53	75.07	2.54	75.90	76.93	1.03

Table 3: Average PCR by Community (continued)

		Non-State Route							
	State R	Route Av	erage PCR	A	verage	PCR	Tota	al Avera	ge PCR
Political Unit	2016	2018	Change	2016	2018	Change	2016	2018	Change
Wayne Co. (AMATS)	72.90	84.13	11.23	74.56	81.27	6.71	73.35	83.46	10.12
Doylestown	99.44	84.00	15.44	74.16	85.35	11.19	80.61	84.80	4.19
Norton (WAY)				79.72	81.21	1.49	79.72	81.21	1.49
Rittman	98.00	92.00	6.00	75.96	73.96	2.00	78.68	77.72	0.97
Wayne Co. (AMATS) Totals	74.21	84.59	10.38	75.17	79.15	3.98	74.59	82.51	7.92
AMATS TOTALS	81.34	82.03	0.69	73.13	76.65	3.52	77.02	78.96	1.95

Bridges

The AMATS area contains 1,310 total bridges. Table 4 shows the number and deck area for each type of bridge based on information from ODOT.

The federal definition of a bridge is a self-supported structure equal or greater than 20 feet in length; therefore, bridges under 20 feet were excluded. These structures will not be included in bridge cost estimates because they are not eligible for federal funds. Similarly the 29 "railroad bridges," 1 "Army bridge" and 13 "private bridges" were also excluded because they are not eligible for federal funds. The only bridges eligible for federal funds are listed as turnpike bridges and remaining bridges (20+ ft.) in Table 4 below.

Table 4: Number and Deck Area of Bridges by County

	Number of	Deck Area
Bridge Type	Bridges	(sq ft)
Portage County		
Bridges under 20 ft	120	60,090
Railroad bridges (20+ ft)	3	12,917
Army bridge (20+ ft)	1	4,639
Turnpike Bridges (20+ ft)	27	301,542
Remaining Bridges (20+ ft)*	204	969,115
Summit County		
Bridges under 20 ft	178	107,431
Railroad bridges (20+ ft)	26	102,693
Private bridges (20+ ft)	13	21,643
Turnpike Bridges (20+ ft)	23	730,897
Remaining Bridges (20+ ft)*	617	6,180,842
Wayne County		
Bridges under 20 ft	22	10,758
Railroad bridges (20+ ft)	0	0
Remaining Bridges (20+ ft)*	76	224,289
Totals:	1,310	8,726,856

^{*} Includes non-private pedestrian and bicycle bridges

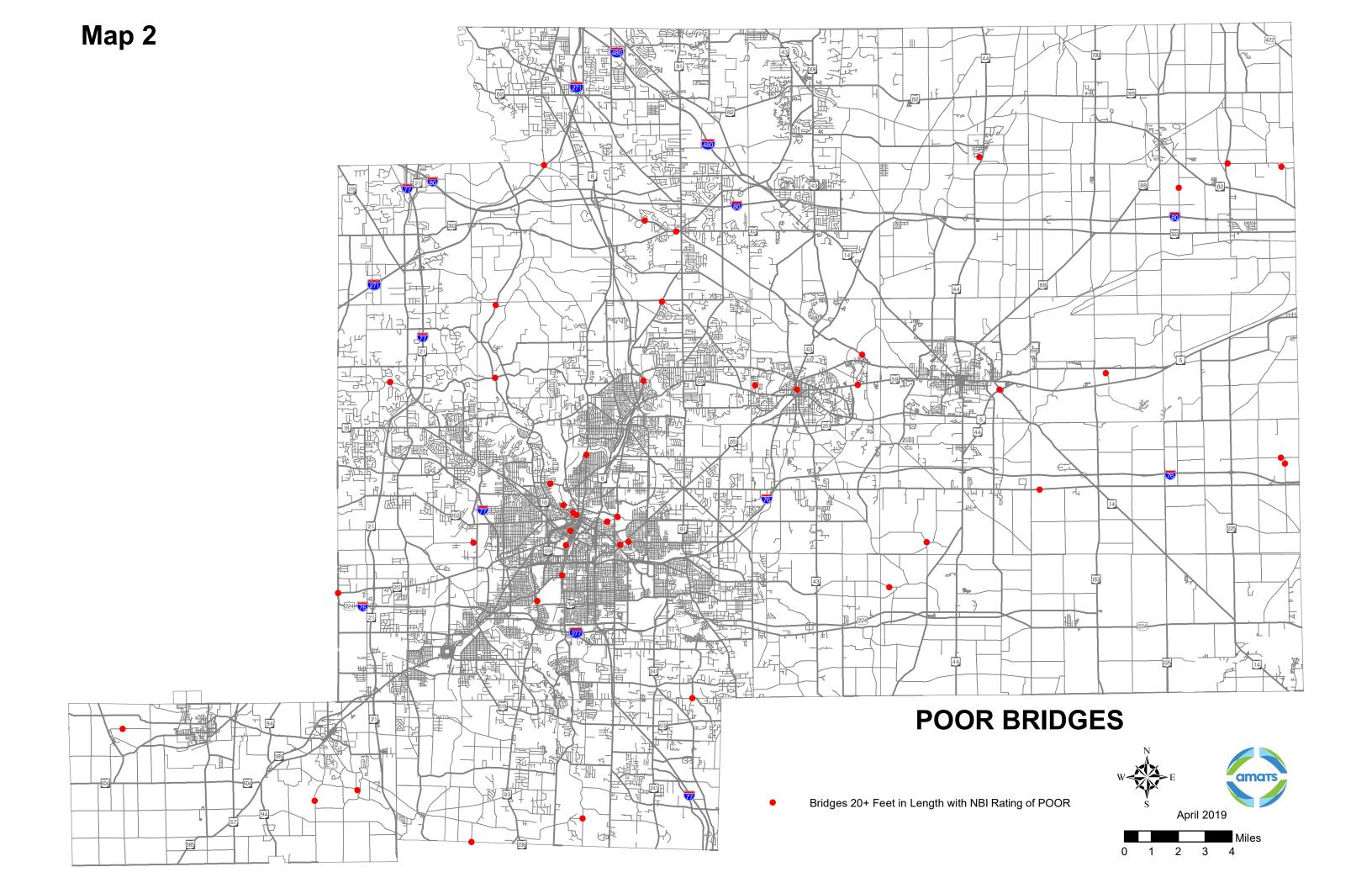
All bridges are inspected annually using a consistent statewide procedure and assigned a National Bridge Index (NBI) rating. Bridges are defined as "Poor," "Fair" or "Good." All poor bridges within the AMATS area are listed in Table 5 and shown on Map 2 on the following pages.

Please note for the "maint." (maintenance column) a "1" means ODOT responsibility, "3" means county responsibility and a "4" means local responsibility. Also, "status" references to the drivability of the road where: "A" is open with no restrictions, "P" is posted with load restrictions, "B" is posted with load restrictions but not legally implemented, "X" has no vehicle traffic, and "K" is closed to all traffic. Poor bridges should be closely monitored for closure, restrictions, rehabilitation, and possible replacement in the near future.

Tables containing all Poor and Fair rated bridges are listed in Appendix A by county and community/township. All information regarding bridge inventory can be found on the ODOT TIMS website located at: https://gis.dot.state.oh.us/tims/. Please zoom in to your area and select the bridge with the "i" (identify features) pointer for more information about a specific bridge.

Table 5: Poor Bridges in the AMATS area

SFN	Facility carried	Features intersected	Length	Deck Area	Maint.	Status	Latitude	Longitude
6760000	Mats Rd	Cuyahoga River	230	2783	4	K	41.277664	-81.227106
6740448	Ravenna Rd	Norfolk & Southern RR	67	1826	3	K	41.172222	-81.312778
7739109	Christman Rd	Nimisila Reservoir	43	1172	3	P	40.924522	-81.515564
6732909	Jones Rd	Kale Creek	40	640	3	P	41.110278	-81.012778
5235464	Eastern Rd	Mill Creek	21	518	3	A	40.988333	-81.728333
6734111	Old Forge Rd	Breakneck Creek	49	882	3	A	41.070833	-81.268611
6731295	Johnson Rd	Fish Creek	23	463	3	A	41.174444	-81.384167
7767811	Ingleside Dr	Brandywine Creek	25	817	4	P	41.245997	-81.466497
7745087	Riverview Rd	Furnace Run	125.3	4760	3	P	41.201339	-81.573414
7738161	Benner Rd	Nimisila Creek	44	1056	4	P	40.912497	-81.594711
8535906	Galehouse Rd	Silver Creek	27.5	407	3	P	40.9411	-81.675281
7760027	Main St	CSX & Conrail RR	234	19656	4	A	41.055519	-81.528225
7730314	N Main St	Ramp N Howard St	47.3	3327	3	A	41.120428	-81.509994
6737080	West Main St	Cuyahoga River & CSXT RR	249	17430	3	A	41.153889	-81.359444
7753047	Hudson Dr	Powers Brook	27.5	1022	3	A	41.202264	-81.454878
7761066	GOJO Ped Bridge	206 GOJO Ped Bridge	111	1286	4	A	41.071869	-81.525253
7732155	Granger Rd	Yellow Creek	65	1561	3	A	41.160647	-81.649114
7732120	Ira Rd	North Fork Yellow Creek	27.2	489	3	A	41.188886	-81.653256
7760361	State St	Garden Al & OH Canal	538	32280	4	A	41.079331	-81.521908
7745036	Riverview Rd	Yellow Creek	22	528	3	A	41.163494	-81.576261
6733840	Tallmadge Rd	Barrell Run	43	1157	3	A	41.098419	-81.187611
7752067	Pressler Rd	S Fork Tuscarawas River	42.5	1414	3	A	40.988675	-81.436586
7735189	Minor Rd	Br Wolf Creek	21	714	3	A	41.081211	-81.670214
7735138	Wright Rd	Pigeon Creek	49	1206	3	A	41.073586	-81.591083
6733646	Randolph Rd	Potter Creek	25	600	3	A	41.046906	-81.295706
6732534	Newton Falls Rd	Hinkley Creek	51	1211	3	A	41.162914	-81.1328
6730329	Pioneer Trail	Aurora Br Chagrin River	24	456	3	A	41.304167	-81.310833
6732860	Silica Sand Rd	Eagle Creek	56	1027	3	A	41.272222	-81.05
6735622	Silica Sand Rd	Eagle Creek	76	1520	3	A	41.27	-81.011667
8546959	Zigler Rd	Wald Ditch	22.3	359	3	A	40.975136	-81.841686
6735800	Yale Rd	Kale Creek Stream	22	441	3	A	41.062214	-81.046317
8535760	Coal Bank Rd	Chippewa Creek	125.5	3062	3	A	40.935531	-81.705717
7745060	Bath Rd	Cuyahoga River	210	7556	3	P	41.162378	-81.574353
6760015	Sunrise Blvd	Fish Creek	43	1473	4	P	41.15655	-81.389272
7707592	SR 93	CR7021, A&B RR & CSX RR	581	39992	1	A	41.041808	-81.546067
7746032	Brandywine Rd	Brandywine Creek	160.5	4495	3	A	41.276483	-81.537736
6730256	Esworthy Rd	Hinkley Creek	44	1074	3	A	41.160556	-81.139167
6730906	Stanley Rd	Mahoning Creek	22	477	3	A	41.259692	-81.085147
6730922	Whippoorwill Rd	Kale Creek Tributary	32	704	3	A	41.113333	-81.015556
7730225	Kent St	Little Cuyahoga River	51	1862	3	A	41.071667	-81.486667
7700679	Ped Bridge	Over SR 8, S of Graham Rd	601	6010	1	A	41.1597	-81.468772



National Highway System (NHS) bridges are also rated by "Good," "Fair" and "Poor" each year to monitor performance measures. Table 6 lists both AMATS and statewide square feet and percentages for each category. In general, the amount of "Good" bridges has increased over the years both within the AMATS area and statewide. The statewide system does have a higher percentage of "Good" bridges; however, the AMATS area has a lower percentage of "Poor" bridges, which are those that are in most need of replacement.

Table 6: Bridge ratings for AMATS and statewide

	AMATS - Squa	are Feet			Statewide - Square Feet			
Year	Good	Fair	Poor	Total_NHS	Good SW	Fair SW	Poor SW	Total_NHS
2008	1,459,777	2,968,667	120,063	4,548,507	23,981,528	39,586,919	4,739,689	68,308,136
2009	1,539,664	2,726,402	282,514	4,548,580	24,094,374	40,114,728	5,297,083	69,506,185
2010	1,735,077	2,364,024	607,898	4,706,999	25,559,661	36,314,842	5,617,638	67,492,141
2011	1,798,687	2,576,941	331,368	4,706,996	26,526,545	38,919,447	5,077,619	70,523,611
2012	1,762,581	2,804,998	139,417	4,706,996	29,236,093	36,679,871	4,679,522	70,595,486
2013	1,828,174	2,797,111	76,512	4,701,797	30,793,246	35,600,121	4,118,504	70,511,871
2014	1,825,276	2,800,523	76,512	4,702,311	33,136,010	33,926,608	3,338,336	70,400,954
2015	1,783,076	2,851,227	68,008	4,702,311	36,168,556	31,394,066	2,733,086	70,295,708
2016	1,908,358	2,764,803	54,153	4,727,314	38,162,819	30,376,005	1,729,081	70,267,905
2017	2,046,008	2,591,341	26,501	4,663,850	41,736,374	27,811,129	1,466,494	71,013,997
2018	2,721,077	2,032,695	26,502	4,780,274	45,550,758	27,605,329	1,194,471	74,350,558
	AMATS - %				Statewide - %	6		
Year	Good	Fair	Poor	Total_NHS	Good SW	Fair SW	Poor SW	Total_NHS
2008	32%	65%	2.6%	100%	35%	58%	7%	100%
2009	34%	60%	6.2%	100%	35%	58%	8%	100%
2010	37%	50%	12.9%	100%	38%	54%	8%	100%
2011	38%	55%	7.0%	100%	38%	55%	7%	100%
2012	37%	60%	3.0%	100%	41%	52%	7%	100%
2013	39%	59%	1.6%	100%	44%	50%	6%	100%
2014	39%	60%	1.6%	100%	47%	48%	5%	100%
2015	38%	61%	1.4%	100%	51%	45%	4%	100%
2016	40%	58%	1.1%	100%	54%	43%	2%	100%
2017	44%	56%	0.6%	100%	59%	39%	2%	100%
2018	57%	43%	0.6%	100%	61%	37%	2%	100%

Highway Resurfacing and Replacement Needs

Road Description

Ohio Turnpike

Major Collectors

(Federal Functional Class)

Principal & Minor Arterials

Interstates/Expressways

Pavement Resurfacing

Resurfacing needs between 2019 and 2045 are identified for all roadways in the AMATS area that are eligible for federal funding. An inventory of highway lane miles for roadways with federal classification major collector and above is documented in Table 7 below. Roadways are typically resurfaced every 10 years; therefore we have assumed that all roads will be resurfaced twice between 2019 and 2045. To estimate resurfacing costs, the lane miles in each roadway type are multiplied by 2, the number of resurfacings within the timeframe, and then multiplied by the cost per lane mile provided by ODOT in 2019 dollars. The total resurfacing cost is estimated to be approximately \$1.25 billion.

Number of Length Number of Cost per (in miles) **Lane Miles** Resurfacings Lane Mile **Total Cost** \$305,000 \$386,130,000 135 633 2 34 192 2 \$305,000 \$117,120,000

2

\$150,000

\$135,000

\$443,400,000

\$302,130,000

\$1,248,780,000

Table 7: Pavement Resurfacing

1,478

1,119

3,422

Aside from periodically resurfacing the existing roads, periodically pavement needs to be completely replaced. Pavement replacement is done less frequently than resurfacing. AMATS assumed that only 5 percent of all roadways will be replaced between now and 2045. Table 8 shows the estimated pavement replacement costs in the AMATS area between now and 2045 using cost per lane mile provided by ODOT. The cost for pavement replacement is approximately \$0.16 billion. The total cost of pavement resurfacing and replacement combined is just over \$1.41 billion.

546

516

1,231

Table 8: Pavement Replacement

Road Description	Length	Number of	Lane Miles	Cost per	
(Federal Functional Class)	(in miles)	Lane Miles	Replaced	Lane Mile	Total Cost
Interstates/Expressways	135	633	31.65	\$1,125,000	\$35,606,250
Ohio Turnpike	34	192	9.60	\$1,125,000	\$10,800,000
Principal & Minor Arterials	546	1,478	73.90	\$900,000	\$66,510,000
Major Collectors	516	1,119	55.95	\$900,000	\$50,355,000
Pavement Replacement	1,231	3,422			\$163,271,250

Bridge Maintenance and Replacement Needs

Bridge preservation needs are varied depending on the age and degree of usage of the bridge. The four common stages dealing with maintenance, repair, or replacement are: a) painting steel structure, b) deck overlay, c) deck replacement, and d) superstructure replacement. Table 9 shows an inventory of the bridges over 20 feet in length in AMATS area (excluding railroad, Army, and other private bridges).

Table 9: Bridge Deck Area by County

	Number of Bridges	Deck Area
Bridges (20+ ft)		
Portage Co.	204	969,115
Summit Co.	617	6,180,542
Chippewa & Milton Twp (Wayne Co.)	76	224,289
Turnpike Bridges (20+ ft)		
Portage Co.	27	301,542
Summit Co.	23	730,897
Totals:	947	8,406,385

Table 10 gives an estimate of the cost of preserving the bridges from 2019 to 2045, i.e., 27 years. The following assumptions were made with respect to the frequency of preservation of the four stages listed above: a) painting steel structure every 17 years, b) deck overlay every 17 years, c) deck replacement every 50 years, and d) superstructure replacement every 80 years.

The preservation cost for each stage of preservation was calculated by dividing 27 years by the frequency listed above and then multiplying that quantity by the total bridge deck area listed in Table 9 above. The unit costs shown on Table 10 were provided by ODOT in 2019 dollars. The total preservation cost of AMATS area bridges is approximately \$2.37 billion.

Table 10: Bridge Preservation Costs

State of Preservation	Serviced Deck Area (sq. ft.)	Unit Cost (per sq.ft.)	Total Cost
Painting Steel Structure	13,351,317	\$34	\$453,944,778
Deck Overlay	13,351,317	\$47	\$627,511,899
Deck Replacement	4,539,448	\$165	\$749,008,920
Superstructure Replacement	2,837,155	\$190	\$539,059,450
Bridge Preservation			\$2,369,525,047

Summary

It is necessary to assess the needs associated with maintaining and preserving the existing highway system at an acceptable level. Over the next 27 years, the total cost of preserving the AMATS existing highway system is estimated to be approximately \$3.78 billion, valued in 2019 dollars. This cost estimate is approximately 17 percent higher than the \$3.22 billion estimated in the last system preservation report, which was valued in 2016 dollars. There has been no increase in lane mileage and a only a 0.6 percent increase in bridge deck square footage. However, the higher preservation cost is primarily due to increased construction costs for both pavement and bridge maintenance.

The \$3.78 billion total was determined by adding the estimated costs of pavement resurfacing (\$1.25 billion), pavement replacement (\$0.16 billion) and bridge preservation (\$2.37 billion). The next step in the development of *Transportation Outlook 2045* is to determine the expected amount of revenue available over the life of the Plan. The total system preservation cost contained in this report will be subtracted from predicted revenues to determine the amount available for operational and expansion project recommendations.

Please note that this study does not account for any minor collector or local roadway preservation costs because they do not qualify for federal funds. If those roadway miles were added back into the report, then the costs would be substantially greater as they account for 74 percent of the total mileage and 67.5 percent of the total lane miles according to Table 1. This is important to note as local communities struggle to find necessary funding for their transportation infrastructure.

	Walborn Reservoir	2.2	2772 Fa	Fair	3	A	40.992861	-81.172092
☐ ₄☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	Stroup Rd	125	5802 Fa	Fair	1	⋖	41.033014	-81.172167
	Willow Creek	30	807 Fa	Fair	3	А	41.0325	-81.098611
<u> </u>	Aurora Br Chagrin River	24	456 Poor	oor	3	А	41.304167	-81.310833
	Br Chagrin River	136	4975 Fair	air	1	Α	41.343967	-81.342664
	Aurora Br Chagrin River	92	1710 Fair	air	3	٨	41.347611	-81.336925
			•					
	Plum Creek	32.6	1174 Fair	air	3	⋖	41.10015	-81.369858
	W&LE RR	147	6468 Fa	Fair	1	۷	41.106189	-81.369114
	W&LE RR	147	6468 Fa	Fair	1	۷	41.105864	-81.369144
	IR 76	224	14672 Fa	Fair	1	٧	41.107133	-81.347389
┌──── ────────────────────────────────								
╒	Hinkley Creek	51	1211 Poor	oor	ဗ	⋖	41.162914	-81.1328
	Hinkley Creek	44	1074 Poor	oor	3	А	41.160556	-81.139167
Ħ╗ ╒╒╒ ╒╒╒╒╒	West Branch Reservoir	210	5513 Fair	air	3	A	41.135278	-81.191389
╗ ╒╒╒╒	Hinkley Creek	24	1055 Fair	air	1	⋖	41.151806	-81.167686
─── ─────────────────────────────────								
── ──────────────────────────────────	Kale Creek Stream	22	441 Pc	Poor	3	А	41.062214	-81.046317
─ ───────────────────────────────────	e A Tributary Mahoning River	21	667 Fa	Fair	3	A	40.987797	-81.004361
── [⋉] ──────────	Berlin Reservoir	282	11280 Fa	Fair	1	А	41.009664	-81.045742
	Willow Creek	54	1458 Fa	Fair	1	А	41.024692	-81.073575
								
	Barrell Run	43	1157 Poor	oor	3	Α	41.098419	-81.187611
- 	Barrell Run	135	5940 Fair	air	1	Α	41.106422	-81.191192
	SR 14	270	11880 Fair	air	1	Α	41.105975	-81.156939
 2	IR 76	211	6506 Fa	Fair	1	Α	41.105425	-81.121856
- 	Silver Creek	93	2422 Fair	air	3	Α	41.118889	-81.105833
 ≥	SR 14	270	11880 Fa	Fair	1	Α	41.105692	-81.156675
─I≥ ────	Silver Creek	139	6179 Fa	Fair	1	Α	41.105544	-81.104672
∑	Silver Creek	141	6254 Fa	Fair	1	٧	41.105258	-81.10475
	N & S RR	29	1826 Poor	oor	3	メ	41.172222	-81.312778
	Fish Creek	23	463 Poor	oor	3	Α	41.174444	-81.384167
	Eckert Ditch	28	614 Fair	air	3	A	41.197222	-81.303333
	Abandoned RR	20	1950 Fair	air	1	⋖	41.1811	-81.346828
6701264 SR 43	NS RR	155	6820 Fair	air	_	⋖	41.186869	-81.347078

SFIN	Facility Carried	Features intersected	Length De	Deck Area	NBI rating	g Maint.	. Status	Lat	Long
FREEDO	FREEDOM TWP (Continued)		,			·	į		
6701787	SR 59	Breakneck Creek	62	3596	Fair	7	⋖	41.155872	-81.318822
6740383	Judson Rd	W&LE RR	154	3692	Fair	3	∢	41.193611	-81.38
HIRAM TWP	ΛP								
6704530	SR 305	Silver Creek	33	883	883 Fair	1	۷	41.309519	-81.129861
6731538	Hankee Rd	Eagle Creek Tributary	56	652	Fair	3	٧	41.275278	-81.1125
6704883	SR 700	Eagle Creek	99	1568	568 Fair	1	А	41.281992	-81.144611
KENT									
6760015	Sunrise Blvd	Fish Creek	43	1473 Poor	Poor	4	Ь	41.15655	-81.389272
6737080	W Main St	Cuyahoga River & CSXT RR	249	17430 Poor	Poor	3	⋖	41.153889	-81.359444
6730582	Sunny Brook Rd	Plum Creek	39	848	Fair	ဗ	∢	41.126533	-81.366164
6730914	Howe Rd	Plum Creek	43	871	Fair	3	۷	41.117778	-81.367222
6705103	Summit Rd	Breakneck Creek	21	527	Fair	1	⋖	41.140247	-81.320375
6737498	Stow Rd	Cuyahoga River	141	5006	Fair	3	∢	41.150556	-81.362222
0900929	Portage Hike & Bike	CSX RR	54	756	756 Fair	4	∢	41.166375	-81.3402
6701760	SR 59	Tallmadge Av,W&LE RR	409	28630 Fair	Fair	1	۷	41.150781	-81.373478
6704964	SR 261 WB	Plum Creek & W&LE RR	889	22596 Fair	Fair	1	۷	41.134858	-81.369692
6704972	SR 261 EB	Plum Creek & W&LE RR	538	22596 Fair	Fair	_	⋖	41.134556	-81.369653
MANTUA									
0000929	Mats Rd	Cuyahoga River	230	2783	Poor	4	ᅩ	41.277664	-81.227106
6730876	Canada Rd	Cuyahoga Tributary	34	678	Fair	3	A	41.275278	-81.216389
6701663	SR 44	Cuyahoga River	129	5354	Fair	1	А	41.278539	-81.224578
MANTUA TWP	TWP								
6703364	SR 82	Cuyahoga River	171	5785 Fair	Fair	1	٧	41.310447	-81.195142
6737404	Mantua Center Rd	Black Brook Ditch	25	488	488 Fair	3	⋖	41.33	-81.245278
NELSON TWP	TWP								
6732860	Silica Sand Rd	Eagle Creek	99	1027 Poor	Poor	3	А	41.272222	-81.05
6732208	Hopkins Rd	Br Eagle Creek	52	398	Fair	3	Ь	41.276389	-81.056667
6704573	SR 305	Camp Creek	98	3057	Fair	1	А	41.31005	-81.096886
6730566	Knowlton Rd	Tinker Creek Tributary	22	377	Fair	3	А	41.296894	-81.022333
6703631	SR 88	Camp Creek	32	1173	Fair	1	А	41.312247	-81.098325
6739024	Parkman Rd	Tinker Creek	40	940	940 Fair	3	٧	41.295833	-81.047778
PALMYRA TWP	4 TWP								
6732909	Jones Rd	Kale Creek	40	640	640 Poor	3	Ь	41.110278	-81.012778
6730922	Whippoorwill Rd	Kale Creek Tributary	32	704	704 Poor	3	А	41.113333	-81.015556
6732917	Cable Line Rd	Kale Creek Tributary	23	344	Fair	3	Α	41.134156	-81.004111
6733891	Tallmadge Rd	Kale Creek	08	2560 Fair	Fair	3	А	41.098736	-81.014583
6702880	John Thomas Rd	IR 76	209	6372	Fair	1	Α	41.106211	-81.089472

SFN	Facility Carried	Features intersected	Length	Deck Area NBI rating	ng Maint.	Status	Lat	Long
PALMYR/	PALMYRA TWP (Continued)			•		,		
6703186	IR 76	Kale Creek	80	3520 Fair	1	Α	41.099708	-81.014425
6732895	Cable Line Rd	Kale Creek Tributary	25	500 Fair	3	Α	41.134167	-81.010278
6703097	IR 76 WB	Universal Rd & ABC RR	196	8428 Fair	1	А	41.101267	-81.022667
6703127	IR 76 EB	Universal Rd & ABC RR	196	8428 Fair	1	Α	41.101014	-81.022686
6703151	IR 76	Kale Creek	80	3520 Fair	1	А	41.100022	-81.014408
6703216	Mahoning Rd	IR 76	228	7072 Fair	1	Α	41.100161	-81.002467
PARIS TWP	۷P							
6732569	Newton Falls Rd	Mahoning River	107	2996 Fair	3	Α	41.171111	-81.021667
6738850	Wayland Rd	West Branch Tributary	24	514 Fair	3	Α	41.169167	-81.071389
6704174	SR 225	West Br Mahoning River	105	3358 Fair	1	Α	41.156797	-81.05145
6738575	Wayland Rd	West Br Mahoning River	131	3940 Fair	3	А	41.157222	-81.071389
RANDOLPH TWP	PH TWP							
6733646	Randolph Rd	Potter Creek	25	600 Poor	3	Α	41.046906	-81.295706
6734626	Laubert Rd	Congress Lake Outlet	39	780 Fair	3	Α	40.996519	-81.266731
6701450	SR 44	Br Congress Lake	09	2160 Fair	1	А	41.061025	-81.247328
6703879	US 224	Congress Lake Outlet	66	4092 Fair	1	٧	41.029817	-81.259414
6734804	Waterloo Rd	Congress Lake Outlet	44	1434 Fair	3	Α	41.033056	-81.257222
RAVENNA	A							
6700667	SR 14	Abandoned RR, Portage Bike & Hike	161	7567 Fair	1	А	41.173725	-81.228958
RAVENNA TWP	4 TWP							
6703542	SR 88	Br Mahoning River	39	1082 Fair	1	А	41.193233	-81.206289
6732518	Newton Falls Rd	Mahoning River W Branch	32	732 Fair	3	Α	41.161594	-81.197461
6700691	SR 14	SR 5 & SR 44	234	15210 Fair	1	Α	41.152475	-81.215142
6738303	Wall St	Conrail	199	7612 Fair	3	∢	41.17	-81.271667
8600029	SR 5	CSX Transportation	194	8148 Fair	1	٨	41.147875	-81.222442
ROOTST	ROOTSTOWN TWP							
6734111	Old Forge Rd	Breakneck Creek	49	882 Poor	3	Α	41.070833	-81.268611
6731589	Industry Rd	Barrell Run	22	484 Fair	3	Α	41.086667	-81.193889
6200029	SR 5	SR 44	259	7770 Fair	1	Α	41.117728	-81.242561
6702317	IR 76 EB	SR 5 & SR 44	167	8684 Fair	1	Α	41.109314	-81.242744
6731953	Industry Rd	Barrell Run	32	768 Fair	3	Α	41.091111	-81.193889
6734138	Old Forge Rd	Breakneck Creek	46	1173 Fair	3	Α	41.070264	-81.266261
6734650	Harriff Rd	Breakneck Creek	77	2271 Fair	3	٨	41.133056	-81.260556
6735029	Rootstown Rd	Breakneck Creek	92	1824 Fair	ဗ	⋖	41.105833	-81.263611
6702198	Rootstown Rd	Over IR 76	331	10097 Fair	1	A	41.110708	-81.270189

SFN	SFN Facility Carried	Features intersected	Length	Deck Area	Length Deck Area NBI rating Maint. Status	Maint.	Status	Lat	Long
STREETSBORO	SBORO								
6732879	6732879 Elliman Rd	Cuyahoga Tributary	25	603	Fair	3	А	41.253889	-81.299167
6704778	6704778 IR 480 WB	W&LE RR	135	9698	Fair	1	٧	41.265286	-81.390069
6704808	6704808 IR 480 EB	W&LE RR	135	8698	Fair	1	А	41.264875	-81.390114
SUFFIELD TWP	D TWP							•	•
6733301	6733301 Martin Rd	Mogadore Reservoir Outlet	27	646 Fair	Fair	3	У	41.056386	-81.382958
6703755 US 224	US 224	W&LE RR	148	5032 Fair	Fair	1	٧	41.026644	-81.373767
WINDHAM TWP	M TWP								
6735622	6735622 Silica Sand Rd	Eagle Creek	92	1520	1520 Poor	3	٧	41.27	-81.011667
6704506 SR 303	SR 303	Br Eagle Creek	62	1824 Fair	Fair	١	У	41.234969	-81.024292
6730906	6730906 Stanley Rd	Mahoning Creek	22	477	477 Poor	3	У	41.259692	-81.085147
6739008	6739008 Parkman Rd	Mahoning Creek	26	570	570 Fair	3	А	41.264444	-81.050833

* Placed bridges from adjacent counties into AMATS counties

SFN	Facility Carried	Features intersected	Length	Length Deck Area	NBI rating Maint.	Maint.	Status	Lat	Long
AKRON									
7730314	N Main Street	Ramp N Howard St	47.3	2322	Poor	3	٧	41.120428	-81.509994
7745036	Riverview Rd	Yellow Creek	72	278	Poor	3	٧	41.163494	-81.576261
	Main St	Csx & Conrail RR	234	19656	Poor	4	⋖	41.055519	-81.528225
7760361	State St	Garden Al & Oh Canal	823	32280 Poor	Poor	4	۷	41.079331	-81.521908
7761066	Gojo Ped Bridge	206 Gojo Pedestrian Bridge	111	1286 Poor	Poor	4	⋖	41.071869	-81.525253
7707592	SR 93	Cr 7021, A&B RR& CSX RR	581	39992 Poor	Poor	1	۷	41.041808	-81.546067
7745060	Bath Rd	Cuyahoga River	210	7556 Poor	Poor	3	Ь	41.162378	-81.574353
7730225	Kent St	Little Cuyahoga River	51	1862 Poor	Poor	3	⋖	41.071667	-81.486667
7701799	SR 59	SR 59 NB Ramp Over IR 76	1500	62750 Fair	Fair	1	⋖	41.06175	-81.543153
7705581	27th St	Over US 224	223	8986	Fair	1	∢	41.035267	-81.571922
7705972	IR 76 Ramp to IR 77S	IR 76 EB & IR 77 SB	240	9120	Fair	1	⋖	41.061864	-81.506119
2909022	IR76 Ramp to SR 8 N	Over I-76 WB	134	1605	Fair	1	۷	41.061719	-81.502947
7711255	SR 764	Over Metro Rta RR	136	9192	Fair	1	⋖	41.041628	-81.477153
2500877	South St	Ohio Canal	55.1	3525 Fair	Fair	3	⋖	41.061667	-81.542192
7730136	Home Av	Little Cuyahoga River	23	4672 Fair	Fair	3	⋖	41.087667	-81.490708
9080822	N Main St	Cuyahoga River	606	61430 Fair	Fair	3	٧	41.121914	-81.509628
1752083	Skelton Rd	Little Cuyahoga River	38	840 Fair	Fair	3	٧	41.056022	-81.423144
8021922	Stuber Av	Little Cuyahoga River	12	1849	Fair	4	А	41.090694	-81.511075
1900011	Johnston St	SR 8 & Rmps To IR 76,IR 77,SR8	608	14214	Fair	1	А	41.064014	-81.5049
0810022	Caroll St	Over SR 8	118	2363	Fair	1	А	41.075325	-81.504472
	Buchtel St	Over SR 8	118	7363	Fair	1	Α	41.076478	-81.504033
6980022	SR 8 & SR 59	North St L Cuy Riv & Rrs	1583	131389 Fair	Fair	1	А	41.086686	-81.501953
7700423	SR 261	Over SR 8 & SR 59	119	9996 Fair	Fair	1	Α	41.102197	-81.500197
7701942	SR 59	Over Ohio Canal Enclosure	29	4284 Fair	Fair	1	А	41.086517	-81.518889
7703244	IR 76	Over Broadway & CSXT RR	528	68860 Fair	Fair	1	C	41.0623	-81.5263
7703279	IR 76	IR 76 WB Off Rmp Over Bdwy	450	18150 Fair	Fair	1	А	41.062967	-81.525747
7703309	IR 76	Over Main St	167	21780	Fair	1	Α	41.062258	-81.527564
2703368	Princeton St	Over IR 76/77	154	6656	Fair	1	Α	41.061892	-81.534533
7703392	IR 76	Over Lakeshore Blvd	171	20249	Fair	1	А	41.062044	-81.540767
7703457	IR 76	Over Bowery St & Ohio Canal	432	67824	Fair	1	Α	41.061833	-81.542886
7703481	IR 76	Over Manchester Rd	158	22502 Fair	Fair	1	Α	41.061147	-81.550769
7703511	Hillcrest Ped Brdg	Over IR 76/77	262	2620 Fair	Fair	1	Α	41.059908	-81.554372
7703546	East Av	Over IR 76/77	292	16571 Fair	Fair	1	А	41.059653	-81.558108
7703570	IR 76 Ramp V & Ramp W	Over IR 77	197	15366 Fair	Fair	1	Α	41.060419	-81.568247
7705611	IR 76	Over IR 277-0.17	202		Fair	1	4	41.035147	-81.565406
	IR 76	Over CSX Transportation	221	23537	Fair	1	А	41.037428	-81.565256
7705670	IR 76	Over Wilbeth Rd	218	21364	Fair	1	A	41.039114	-81.565169

Formithinear)	SFN	Facility Carried	Features intersected	Length	Deck Area	NBI rating	Maint.	Status	Lat	Long
IR 76 Over Kearmore Blwd 183 19022 Fair 1 A 41.1 IR 76 Over Rattles Ave 123 12012 Fair 1 A 41.1 East Av Over Battles Ave 122 12012 Fair 1 A 41.1 R 76 & Ramp T Over Morse St 152 13007 Fair 1 A 41.1 R 77 WB Over IR 77NB & SR 8 353 22863 Fair 1 A 41.1 IR 77 WB Over IR 77NB & SR 8 365 22863 Fair 1 A 41.1 IR 70 Be Bridge Over IR 77NB & SR 8 365 22865 Fair 1 A 41.1 IR 70 Be Bridge Over IR 77NB & SR 8 466 27455 Fair 1 A 41.1 IR 70 Be Bridge Over IR 77NB & SR 8 469 6735 Fair A 41.1 IR 70 Bridge Over IR 77NB & SR 8 47.1 A 47.1 SR 74 Bridge Over IR 77RB Fair 47.2 47.1 47.1 SR 75 Bridge	AKRON (C	Continued)		9						9
REATOR Over Battles Ave 132 12012 Fair 1 A 41 REATOR Over RATOR 261 14616 Fair 1 A 41 RAMP T Over RATOR 152 1407 Fair 1 A 41 Sunner Ped Brdg Over IR 77NB S SR 8 119 5236 Fair 1 A 41 RYWB Over IR 77NB S SR 8 8 206 27455 Fair 1 A 41 RY 6E Over IR 77NB S SR 8 8 206 27455 Fair 1 A 41 Ped Bridge Over IR 77NB S SR 8 8 206 2745 Fair 1 A 41 RAMMER RY 6 Over IR 77NB S SR 8 8 206 2745 Fair 1 A 41 RAMMER RY 6 Over IR 77NB S SR 8 8 206 2752 Fair 1 A 41 SR 83 Over IR 77NB S SR 8 8 7 806 7672 Fair A 41 SR 84 Over IR 77NB S SR 8	7705700	IR 76	Over Kenmore Blvd	183	19032	Fair	1	٧	41.041306	-81.565228
East Aw Over IR 76 261 14616 Fair 1 A 41 Ram Du Aben Morse St 1152 11907 Fair 1 A 41 Ram Du Bu 76 EB Over Morse St 1152 11907 Fair 1 A 41 Sunner Ped Brdg Over IR 77NB & SR B 353 22563 Fair 1 A 41 RR 77 WB Over IR 77NB & SR B 353 22563 Fair 1 A 41 Red Brdge Over IR 77NB & SR B 353 22563 Fair 1 A 41 Red Brdge Over IR 77NB & SR B 353 22563 Fair 1 A 41 Red Brdge Over IR 77NB & SR R 40 887 Fair 1 A 41 Red Brdge Over IR 77NB & SR R 40 887 Fair 1 A 41 SR 781 Over I SATRANETRO RRS 3351 13067 Fair 1 A 41	7705735	IR 76	Over Battles Ave	132	12012	Fair	1	А	41.046472	-81.564839
IR 76 & Ramp T Over Morse St 1120 T1907 Fair 1 A 41. Summer Ped Brdg Over IR 77NB & SR 8 110 5236 Fair 1 A 41. Summer Ped Brdg Over IR 77NB & SR 8 353 22563 Fair 1 A 41. IR 7 VBE Over IR 77NB & SR 8 363 22563 Fair 1 A 41. IR 76 Over IR 77NB & SR 8 363 22563 Fair 1 A 41. IR 76 Over IR 77NB & SR 8 36 27455 Fair 1 A 41. IR 76 Over IR 77NB & SR 8 46 3755 Fair 1 A 41. IR 76 Utite Cuyahoga Rver 28 677 Fair 1 A 41. SR 88 SR 81 Sover UCLy Ry WE&MERNETRO Rs 383 Fair 1 A 41. SR 76 Over L Cuy Ry WE&MERNETRO Rs 3341 12967 Fair 1 A </td <td></td> <td>East Av</td> <td>Over IR 76</td> <td>261</td> <td>14616</td> <td>Fair</td> <td>1</td> <td>А</td> <td>41.051625</td> <td>-81.565606</td>		East Av	Over IR 76	261	14616	Fair	1	А	41.051625	-81.565606
Ramp U & IR 76 EB Over Morse St 119 5236 Fair 1 A 41 Summer Ped Brdg Over IR 77NB 38.8 36.5 22658 Fair 1 A 41.1 R7 WB Over IR 77NB & SR 8 36.5 22658 Fair 1 A 41.1 R7 WB Over IR 77NB & SR 8 36.6 27456 Fair 1 A 41.1 R6 Brd Bridge Over IR 77NB & SR 8 36.6 27456 Fair 1 A 41.1 R6 Brd Bridge Over IR 76 Over IR 76 3755 Fair 1 A 41.1 SR 83 Ohio Canal By 67 Fair 1 A 41.1 SR 16 Over L Cuy R WE&METRO RRs 3351 139067 Fair A 41.1 SR 261 Over L Cuy R WE&METRO RRs 3351 139067 Fair A 41.1 SR 261 Over L Cuy R WE&METRO RRs 336 139067 Fair A 41.1 SR 261 Over C Cuy R WE&METRO RRs 336 139067 Fair A 41.1		IR 76 & Ramp T	Over Morse St	152	11907		1	А	41.058556	-81.567619
Summer Ped Brdg Over IR 77NB & SR 8 353 22565 Fair 1 A 41 RF 7 EB Over IR 77NB & SR 8 353 22565 Fair 1 A 41 RF 6 EB Over R 77NB & SR 8 206 3735 Fair 1 A 41 Red Bridge Over Kelly Ave RR Canal 814 12286 Fair 1 A 41 SR 93 Ohio Canal 206 3735 Fair 1 A 41 SR 93 Ohio Canal 81 667 Fair 1 A 41 SR 162 Ohio Canal 883 Fair 1 A 41 SR 162 Ohio Canal 182 867 Fair 1 A 41 SR 162 Over US 224 40 883 Fair 1 A 41 SR 162 Over US 224 40 883 Fair 1 A 41 SR 163 Over US 224 884 Fair 1 A 41 SR 261 Over US 224 <td< td=""><td></td><td>Ramp U & IR 76 EB</td><td>Over Morse St</td><td>119</td><td>5236</td><td>Fair</td><td>1</td><td>А</td><td>41.058558</td><td>-81.567417</td></td<>		Ramp U & IR 76 EB	Over Morse St	119	5236	Fair	1	А	41.058558	-81.567417
IR 77 WB Over IR 77NB & SR 8 353 22563 Fair 1 A 41 IR 76 EB Over IR 77NB & SR 8 466 27455 Fair 1 A 41 R 76 Over Kelly Ave RR Canal 814 121286 Fair 1 A 41 R 76 Little Cuyahoga River 28 667 Fair 1 A 41 SR 93 Ower Kelly Ave RR Canal 89 6732 Fair 1 A 41 SR 93 Ower Cover Kenmore Blvd 40 883 Fair 1 A 41 SR 93 Over US 224 40 883 Fair 1 A 41 Kelly Av Over US 224 40 883 Fair 1 A 41 SR 261 D Over US WE&METRO RRS 3351 139667 Fair 1 A 41 SR 261 D Over L Cuy R WE&METRO RRS 3351 139667 Fair 1 A 41 SR 764 D Over L Cuy R WE&METRO RRS 3351 13667 Fair 1 A <		Sumner Ped Brdg	Over IR 76/77	170	1629	Fair	1	٧	41.06235	-81.514894
RP 26B Over IR 77NB & SR 8 466 27456 Fair 1 A 41.1 Ped Bridge Over IR 76 206 3735 Fair 1 A 41.1 R 56 ST 56 Fair 1 A 41.1 IR 76 Unio Canal 20 667 Fair 1 A 41.1 SR 93 Ohio Canal 40 883 Fair 1 A 41.1 SR 162 Over CSX Transportation 68 6732 Fair 1 A 41.1 SR 162 Over CSX Transportation 68 6050 Fair 1 A 41.1 SR 162 Over CSX Transportation 68 5037 Fair 1 A 41.1 SR 161 Over L Cuy R WE&METRO RRS 3351 113967 Fair 1 A 41.1 SR 261 Over L Cuy R WE&METRO RRS 3351 113967 Fair 1 A 41.1 SR 261 Over L Cuy R WE&METRO RRS 3351 113967 Fair 4 41.1 SR 261 </td <td></td> <td>IR 77 WB</td> <td>SR</td> <td>353</td> <td>22563</td> <td>Fair</td> <td>1</td> <td>А</td> <td>41.062136</td> <td>-81.505664</td>		IR 77 WB	SR	353	22563	Fair	1	А	41.062136	-81.505664
Ped Bridge Over IR 76 206 3735 Fair 1 A 41. IR 76 Over Kelly Ave RR Canal 814 121286 Fair 1 A 41. SR 93 Little Cuyahoga River 28 667 Fair 1 A 41. SR 93 Ohio Canal Over Loys Wesher 40 883 Fair 1 A 41. SR 162 Pigeon Creek 40 883 Fair 1 A 41. SR 162 Pigeon Creek 40 483 Fair 1 A 41. SR 162 Pigeon Creek 40 483 Fair 1 A 41. SR 163 Over L Cuy R WESMETRO RRs 3351 133607 Fair 1 A 41. SR 261 Over L Cuy R WESMETRO RRs 3351 Fair 1 A 41. SR 261 Over L Cuy R WESMETRO RRs 3351 Fair 4 41. SR 261 Over C Cuy R WESMETRO RRs 3351 133607 F	7706030	IR 76 EB	SR	466	27455	Fair	1	А	41.061531	-81.50515
R76 Over Kelly Ave RR Canal 814 121286 Fair 1 A 41. R83 Little Cuyahoga River 28 667 Fair 1 A 41. Senmore Blvd Over Memore Blvd 181 6305 Fair 1 A 41. SR 162 Pigeon Creek 40 883 Fair 1 A 41. SR 162 Over US 224 40 883 Fair 1 A 41. SR 183 Over US 224 40 883 Fair 1 A 41. SR 261D Over L CuyR WE&METRO RRS 3351 139067 Fair 1 A 41. SR 261D Over L CuyR WE&METRO RRS 3351 139067 Fair 1 A 41. SR 261D Over L CuyR WE&METRO RRS 3351 139067 Fair 1 A 41. SR 261D Over L CuyR WE&METRO RRS 3361 139067 Fair 1 A 41. SR 764 Over L CuyR WE&METRO RRS 3364 43. A 41. </td <td>7706219</td> <td>Ped Bridge</td> <td>Over IR 76</td> <td>206</td> <td>3735</td> <td>Fair</td> <td>1</td> <td>٧</td> <td>41.062922</td> <td>-81.496592</td>	7706219	Ped Bridge	Over IR 76	206	3735	Fair	1	٧	41.062922	-81.496592
RY 66 Little Cuyahoga River 28 667 Fair 1 A 41.1 SR 93 Ohio Canal 99 6732 Fair 1 A 41.1 Kenmore Blvd Over Kenmore Blvd 40 883 Fair 1 A 41.1 Kelly Av Over USX Transportation 69 5037 Fair 1 A 41.1 SR 18 Over USX Transportation 69 5037 Fair 1 A 41.1 SR 261D Over USX Transportation 69 5037 Fair 1 A 41.1 SR 261D Over USX Transportation 69 5037 Fair 1 A 41.1 SR 261D Over USX Transportation 69 5037 Fair 1 A 41.1 SR 261D Over USX WE&METRO RRS 3351 129067 Fair 1 A 41.1 SR 261D Over Abandoned Raliroad 28 1119 Fair 4 41.1 SR 764 Over Abandoned Raliroad 29 807 Fair 41.1	7706332	IR 76	Over Kelly Ave RR Canal	814	121286	Fair	1	А	41.062381	-81.482244
SR 93 Ohio Canal 99 6732 Fair 1 A 41. Kenmore Blvd Over Kenmore Blvd 181 6305 Fair 1 A 41. SR 162 Over US 222 183 Fair 1 A 41. Kelly Av Over US 222 3351 139067 Fair 1 A 41. SR 261D Over L Cuy R WE&METRO RRs 3351 139067 Fair 1 A 41. SR 261D Over L Cuy R WE&METRO RRs 3351 139067 Fair 1 A 41. SR 261D Over L Cuy R WE&METRO RRs 3351 139067 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRs 3351 139067 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRs 3351 139067 Fair 1 A 41. SR 261 Over Abandoned Raliroad 29 807 Fair 4 41. White Pond Dr Schocalog Run 230 12400 Fair 4 41.	7706545	IR 76	Little Cuyahoga River	28	299	Fair	1	А	41.064567	-81.438144
Kenmore Blyd Over Kenmore Blyd 181 6305 Fair 1 A 41. SR 162 Pigeon Creek 40 883 Fair 1 A 41. Kelly Av Over US 224 182.4 9849 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRS 3351 139067 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRS 340 129677 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRS 340 129677 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRS 340 17396 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRS 28 1119 Fair 1 A 41. SR 764 Over L Cuy R WE&METRO RRS 28 1179 Fair 4 41. White Pond Dr Shocalog River 23 12406 Fair 4 41. Will Coanal CSX Railload Sand Run Croesk Ra 43 669 26630 Fair		SR 93	Ohio Canal	66	6732	Fair	1	А	41.0237	-81.549722
SR 162 Pigeon Creek 40 883 Fair 1 A 41. Kelly Av Over US 224 182.4 9849 Fair 1 A 41. SR 18 Over CSX Transportation 69 5037 Fair 1 A 41. SR 261D Over L Cuy R WE&METRO RRS 3361 129577 Fair 1 A 41. SR 261D Over L Cuy R WE&METRO RRS 3361 129577 Fair 1 A 41. SR 261D Over L Cuy R WE&METRO RRS 28 1119 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRS 28 117 7383 Fair 1 A 41. SR 764 Ohio Canal 29 807 Fair 4 41. SR 764 Ohio Canal 29 807 Fair 4 41. White Pond Dr CSX Railroad Shocalog River 23 12400 Fair 4 41. Park Access Rd Sand Run Closes Inlet 53 1240 Fair 4 41.			Over Kenmore Blvd	181	6305		1	А	41.045017	-81.547831
Kelly Av Over US 224 182.4 9849 Fair 1 A 41. SR 18 Over CSX Transportation 69 5037 Fair 1 A 41. SR 261D Over LCUY R WE&METRO RRS 3351 13906/Fair 1 A 41. SR 261D Over LCUY R WE&METRO RRS 3410 129577 Fair 1 A 41. SR 261 Over Abandoned Raliroad 28 1119 Fair 1 A 41. White Pond Dr Over Abandoned Raliroad 28 1119 Fair 1 A 41. Emmitt Ad Ovic Canal 29 807 Fair 3 A 41. White Pond Dr Shorealog River 29 807 Fair 3 A 41. Front St Cuyahoga River 53 1798 Fair 3 A 41. Whorth St Ohio Canal 53 1798 Fair 4 A 41. High-Main Vladuct Garage Dr-Goodrich 26 269 2663 Fair A <td></td> <td>SR 162</td> <td>Pigeon Creek</td> <td>40</td> <td>883</td> <td>Fair</td> <td>1</td> <td>А</td> <td>41.083483</td> <td>-81.585522</td>		SR 162	Pigeon Creek	40	883	Fair	1	А	41.083483	-81.585522
SR 18 Over CSX Transportation 69 5037 Fair 1 A 41. SR 261D Over L Cuy R WE&METRO RRs 3351 139067 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRs 3410 129577 Fair 1 A 41. Martha Av Over Abandoned Railroad 28 1119 Fair 1 A 41. SR 764 Over Abandoned Railroad 28 1119 Fair 1 A 41. Will Pond Dr Over Abandoned Railroad 97 807 Fair 3 A 41. Will Pond Dr CSX Railroad 97 307 Fair 3 A 41. Wind Evolds River CSX Railroad 80 Fair 3 A 41. World St Ohio Canal 66 3864 Fair 3 A 41. World St Ohio Canal 67 36 1798 Fair 41. 41. High-Main Viaduct Garage Dr-Goodrich		Kelly Av	Over US 224	182.4	9849	Fair	1	А	41.025639	-81.483306
SR 261D Over L Cuy R WE&METRO RRS 3351 139067 Fair 1 A 41. SR 261 Over L Cuy R WE&METRO RRS 3410 129577 Fair 1 A 41. Martha Av Over Abandoned Railroad 28 1119 Fair 1 A 41. SR 764 Ohio Canal 107 7383 Fair 1 A 41. White Pond Dr Shocalog Run 29 807 Fair 3 A 41. White Pond Dr Shocalog Run 29 807 Fair 4 41. Front St Cuyahoga River 230 12400 Fair 4 41. W North St Ohio Canal 66 3864 Fair 4 41. Glemmount Av Holy Cross Inlet 53 42. 41. W North St Ohio Canal 28 26630 Fair 4 41. High-Main Viaduct Garage Dr-Goodrich 24 1286 Fair 4 41. Waterloo Rd Ohio Canal 24 1286 Fair	7708246	SR 18	Over CSX Transportation	69	2037	Fair	1	А	41.069669	-81.487247
SR 261 Over L Cuy R WE&METRO RRS 3410 129577 Fair 1 A 41. Martha Av Over Abandoned Railroad 28 1119 Fair 1 A 41. SR 764 Ohio Canal 107 7383 Fair 1 A 41. White Pond Dr Shocalog Run 29 807 Fair 4 A 41. Emmitt Rd CSX Railroad 97 3977 Fair 4 A 41. Front St Cuyahoga River 230 12400 Fair 4 A 41. W North St Ohio Canal 66 3864 Fair 3 A 41. Glenmount Av Holy Cross Inlet 53 1798 Fair 4 41. W North St Ohio Canal 66 3864 Fair 4 41. High-Main Viaduct Garage Dr-Goodrich 92 26630 Fair 4 41. Waterloo Rd GSX & Conrail<	7708645	SR 261D	Over L Cuy R WE&METRO RRs	3351	139067	Fair	1	٧	41.0963	-81.512447
Martha Av Over Abandoned Railroad 28 1119 Fair 1 A 41. SR 764 Ohio Canal 107 7383 Fair 1 A 41. White Pond Dr Shocalog Run 29 807 Fair 4 A 41. Emmitt Rd CSX Railroad 97 397 Fair 4 A 41. Front St Cuyahoga River 230 1240 Fair 4 A 41. W North St Ohio Canal 66 3864 Fair 3 A 41. W North St Ohio Canal 66 3864 Fair 3 A 41. Bark Access Rd Bont Canal 68 569 Fair 4 41. Brak Access Rd Wolf Ledges and RRs 269 2663 Fair 4 A 41. High-Main Viaduct Garage Dr-Goodrich 249 1985 Fair 4 A 41. Waterloo Rd </td <td>7708653</td> <td>SR 261</td> <td>Over L Cuy R WE&METRO RRs</td> <td>3410</td> <td>129577</td> <td>Fair</td> <td>1</td> <td>А</td> <td>41.087103</td> <td>-81.514597</td>	7708653	SR 261	Over L Cuy R WE&METRO RRs	3410	129577	Fair	1	А	41.087103	-81.514597
SR 764 Ohio Canal 107 7383 Fair 1 A 41. White Pond Dr Shocalog Run 29 807 Fair 3 A 41. Emmitt Rd CSX Railroad 97 3977 Fair 4 A 41. Front St Cuyahoga River 230 12400 Fair 3 A 41. W North St Ohio Canal 66 3864 Fair 3 A 41. Glemmount Av Holy Cross Inlet 63 1798 Fair 3 A 41. Park Access Rd Sand Run Creek 43 689 Fair C A 41. High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair A 41. High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair A 41. Waterloo Rd Brewster Run Culvert 24 1985 Fair A A1. Ped Traffic Spr-Field Lk Outlet 26 126 Fair A A A1. Bike Path	7709323	Martha Av	Over Abandoned Railroad	28	1119	Fair	1	А	41.060486	-81.477017
White Pond Dr Shocalog Run 29 807 Fair 3 A 41. Emmitt Rd CSX Railroad 97 3977 Fair 4 A Front St Cuyahoga River 230 12400 Fair 3 A 41. W North St Ohio Canal 66 3864 Fair 3 A 41. W North St Ohio Canal 66 3864 Fair 3 A 41. Bark Access Rd Sand Run Creek 43 689 Fair C A 41. E. Exchange St Wolf Ledges and RRs 269 26630 Fair 4 A 41. High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair 4 A 41. University Blvd CSX & Conrail 249 1985 Fair 4 A 41. Waterloo Rd Brewster Run Culvert 24 1296 Fair 4 A 41. Ped Traffic Spr-Field Lk Outlet 26 1916 Fair 4 A 41.	7711190	SR 764	Ohio Canal	107	7383	Fair	1	А	41.039967	-81.541153
Emmitt Rd CSX Railroad 97 3977 Fair 4 A 41. Front St Cuyahoga River 230 12400 Fair 3 A 41. W North St Ohio Canal 66 3864 Fair 3 A 41. Glenmount Av Holy Cross Inlet 53 1798 Fair 3 A 41. Park Access Rd Sand Run Creek 43 689 Fair C A 41. Park Access Rd Sand Run Creek 43 689 Fair C A 41. Fisch Main Viaduct Garage Dr-Goodrich 982 47039 Fair A 41. High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair A 41. Waterloo Rd Brewster Run Culvert 24 1296 Fair A A1. Waterloo Rd Brewster Run Culvert 26 131 Fair A A1. Ped Traffic Spr-Field Lk Outlet 26 136 Fair A A A1. Mills Path			Shocalog Run	29	807		3	А	41.096408	-81.588908
Front St Cuyahoga River 230 12400 Fair 3 A 41. W North St Ohio Canal 66 3864 Fair 3 A 41. Glenmount Av Holy Cross Inlet 53 1798 Fair 3 A 41. Park Access Rd Sand Run Creek 43 689 Fair C A 41. E. Exchange St Wolf Ledges and RRs 269 2663 Fair 4 A 41. High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair 4 A 41. University Blvd CSX & Conrail 249 19858 Fair 4 A 41. Waterloo Rd Brewster Run Culvert 24 1296 Fair 4 A 41. Ped Traffic Spr-Field Lk Outlet 26 191 Fair A 41. Dart Av Ramp Over Ohio Canal Ravine 33.5 Mi No 212 246 3690 Fair A	-	Emmitt Rd	CSX Railroad	26	3977	Fair	4	А	41.025528	-81.478119
W North St Ohio Canal 66 3864 Fair 3 A 41. Glenmount Av Holy Cross Inlet 53 1798 Fair 3 A 41. Park Access Rd Sand Run Creek 43 689 Fair C A 41. E. Exchange St Wolf Ledges and RRs 269 26630 Fair 4 A 41. High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair 4 A 41. University Blvd CSX & Conrail 249 19858 Fair 4 A 41. Waterloo Rd Brewster Run Culvert 24 1296 Fair 4 A 41. Ped Traffic Ohio Canal 147 9151 Fair 4 A 41. Ped Traffic Spr-Field Lk Outlet 26 191 Fair A A1. Bike Path Ravine 33.5 Mi No 212 246 3690 Fair A A A1. Miller		Front St	Cuyahoga River	230	12400	Fair	3	А	41.118333	-81.493333
Glenmount Av Holy Cross Inlet 53 1798 Fair 3 4 4 Park Access Rd Sand Run Creek 43 689 Fair C A 41 E. Exchange St Wolf Ledges and RRs 269 26630 Fair 4 A 41 High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair 4 A 41 University Blvd CSX & Conrail 249 19858 Fair 4 A 41 Waterloo Rd Brewster Run Culvert 24 1296 Fair 4 A 41 Thornton St Ohio Canal 147 9151 Fair 4 A 41 Ped Traffic Spr-Field Lk Outlet 26 191 Fair 4 A 41 Dart Av Ramp Over Ohio Canal 136 5032 Fair A A 41 Bike Path Cascade Parking Deck 107 17765 Fair A A A Miller Av Conrail & CSX RR Cohio Canal Chio Canal A A	7730357	W North St	Ohio Canal	99	3864	Fair	3	А	41.091667	-81.518333
Park Access Rd Sand Run Creek 43 689 Fair C A 41 E. Exchange St Wolf Ledges and RRs 269 26630 Fair 4 A 41.1 High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair 4 A 41.1 University Blvd CSX & Conrail 249 1985 Fair 4 A 41.1 Waterloo Rd Brewster Run Culvert 24 1296 Fair 4 A 41.1 Ped Traffic Spr-Field Lk Outlet 26 1915 Fair 4 A 41.1 Ped Traffic Spr-Field Lk Outlet 26 1916 Fair 4 A 41.1 Bike Path Over Ohio Canal 136 5032 Fair 4 A 41.1 Mill St Cascade Parking Deck 107 11765 Fair 4 A 41.1 Miller Av Conrail & CSX RR 166 8300 Fair 4 A 41.2 Rhodes Av Ohio Canal 56 3358 Fair 4 <td>7736118</td> <td>Glenmount Av</td> <td>Holy Cross Inlet</td> <td>53</td> <td>1798</td> <td>Fair</td> <td>3</td> <td>А</td> <td>41.02485</td> <td>-81.515278</td>	7736118	Glenmount Av	Holy Cross Inlet	53	1798	Fair	3	А	41.02485	-81.515278
E. Exchange St Wolf Ledges and RRs 269 26630 Fair 4 A 41. High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair 4 A 41. University Blvd CSX & Conrail 249 19858 Fair 4 A 41. Waterloo Rd Brewster Run Culvert 24 1296 Fair 4 A 41. Thornton St Ohio Canal 147 9151 Fair 4 A 41. Ped Traffic Spr-Field Lk Outlet 26 191 Fair A A 41. Dart Av Ramp Over Ohio Canal 136 5032 Fair A A 41. Bike Path Ravine 33.5 Mi No 212 246 3690 Fair A A 41. Mill St Conrail & CSX RR 166 8300 Fair A A 41. Rhodes Av Ohio Canal 56 3358 Fair A A 41.		Park Access Rd	Sand Run Creek	43	689	Fair	၁	А	41.13775	-81.564611
High-Main Viaduct Garage Dr-Goodrich 982 47039 Fair 4 A 1.1. University Blvd CSX & Conrail 249 19858 Fair 4 A 1.1. Waterloo Rd Brewster Run Culvert 24 1296 Fair 4 A 1.1. Waterloo Rd Ohio Canal 147 9151 Fair 4 A 1.1. Ped Traffic Spr-Field Lk Outlet 26 191 Fair 4 A 1.1. Dart Av Ramp Over Ohio Canal 136 5032 Fair A 1.1. A 1.1. Bike Path Ravine 33.5 Mi No 212 246 3690 Fair A 1.1. A 1.1. Mill St Conrail & CSX RR 166 8300 Fair A 1.1. A 1.1. Rhodes Av Ohio Canal 56 3358 Fair A 1.1. A 1.1.		E. Exchange St	Wolf Ledges and RRs	269	26630	Fair	4	А	41.075225	-81.518764
University Blvd CSX & Conrail 249 19858 Fair 4 A 1.1. Waterloo Rd Brewster Run Culvert 24 1296 Fair 4 A 1.1. Thornton St Ohio Canal 147 9151 Fair 4 A 1.1. Ped Traffic Spr-Field Lk Outlet 26 191 Fair 4 A 1.1. Dart Av Ramp Over Ohio Canal 136 5032 Fair 4 A 1.1. Bike Path Ravine 33.5 Mi No 212 246 3690 Fair 4 A 1.1. Mill St Cascade Parking Deck 107 11765 Fair 4 A 1.1. Miller Av Conrail & CSX RR 166 8300 Fair 4 A 1.1. Rhodes Av Ohio Canal 56 3358 Fair A 1.2. A 1.2.		High-Main Viaduct	Garage Dr-Goodrich	985	47039	Fair	4	А	41.072481	-81.523503
Waterloo Rd Brewster Run Culvert 24 1296 Fair 4 A 41. Thornton St Ohio Canal 147 9151 Fair 4 A 41. Ped Traffic Spr-Field Lk Outlet 26 191 Fair 4 A 41. Dart Av Ramp Over Ohio Canal 136 5032 Fair 4 A 11. Bike Path Ravine 33.5 Mi No 212 246 3690 Fair C A 11. Mill St Conrail & CSX RR 107 11765 Fair A 5 41. Miller Av Conrail & CSX RR 166 8300 Fair A 5 41. Rhodes Av Ohio Canal 56 3358 Fair A 5 41.		University Blvd	CSX & Conrail	249	19858	Fair	4	А	41.078042	-81.516436
Thornton St Ohio Canal 147 9151 Fair 4 A 1.1 Ped Traffic Spr-Field Lk Outlet 26 191 Fair 4 A 1.1 Dart Av Ramp Over Ohio Canal 136 5032 Fair 4 A 1.1 Bike Path Ravine 33.5 Mi No 212 246 3690 Fair C A 1.1 Mill St Cascade Parking Deck 107 11765 Fair A A 21.1 Miller Av Conrail & CSX RR 166 8300 Fair A A 41.1 Rhodes Av Ohio Canal 56 3358 Fair A A 41.1		Waterloo Rd	Brewster Run Culvert	24	1296	Fair	4	٧	41.029244	-81.503258
Ped Traffic Spr-Field Lk Outlet 26 191 Fair 4 A 1.1 Dart Av Ramp Over Ohio Canal 136 5032 Fair 4 41.2 Bike Path Ravine 33.5 Mi No 212 246 3690 Fair C A 41.1 Mill St Cascade Parking Deck 107 11765 Fair 4 A 41.1 Miller Av Conrail & CSX RR 166 8300 Fair 4 A 41.1 Rhodes Av Ohio Canal 56 3358 Fair 4 A 41.1		Thornton St	Ohio Canal	147	9151	Fair	4	А	41.066061	-81.536111
Dart Av Ramp Over Ohio Canal 136 5032 Fair 4 A 1.1 Bike Path Ravine 33.5 Mi No 212 246 3690 Fair C A 1.1 Mill St Cascade Parking Deck 107 11765 Fair A A 21.1 Miller Av Conrail & CSX RR 166 8300 Fair A A 21.1 Rhodes Av Ohio Canal 56 3358 Fair A A 41.1		Ped Traffic	Spr-Field Lk Outlet	26	191	Fair	4	А	41.053861	-81.447169
Bike Path Ravine 33.5 Mi No 212 246 3690 Fair C A 41. Mill St Cascade Parking Deck 107 11765 Fair 4 A 41. Miller Av Conrail & CSX RR 166 8300 Fair 4 A 41. Rhodes Av Ohio Canal 56 3358 Fair 4 A 41.	7760604	Dart Av Ramp	Over Ohio Canal	136	5032	Fair	4	А	41.064664	-81.538489
Mill St Cascade Parking Deck 107 11765 Fair 4 A 41.2 Miller Av Conrail & CSX RR 166 8300 Fair 4 A 41.2 Rhodes Av Ohio Canal 56 3358 Fair 4 A 41.2	7760949	Bike Path	Ravine 33.5 Mi No 212	246	3690	Fair	ပ	А	41.127686	-81.538797
Miller Av Conrail & CSX RR 166 8300 Fair 4 A Rhodes Av Ohio Canal 56 3358 Fair 4 A	7761228	Mill St	Cascade Parking Deck	107	11765	Fair	4	٨	41.083	-81.519667
Rhodes Av Ohio Canal 56 3358 Fair 4 A		Miller Av	Conrail & CSX RR	166	8300	Fair	4	A	41.056481	-81.527544
		Rhodes Av	Ohio Canal	26	3358	Fair	4	∢	41.064714	-81.538467

SFN	Facility Carried	Features intersected	Length	Deck Area	NBI rating	Maint.	Status	Lat	Long
AKRON (Continued)	ontinued)								
7761678 B	Bowery St	Ohio Canal	278	17792	Fair	4	В	41.081372	-81.519978
7761759 V	Wedgewood Dr	Spring Lake Outlet	31	926	Fair	4	А	41.049822	-81.440511
7761775 G	Goodyear Blvd	W&LE RR	72	4069	Fair	4	А	41.068406	-81.475703
7700245 F	Forge St	Over SR 8	191	9266	Fair	1	А	41.081469	-81.503833
7700334 S	SR 59	Over SR 8	121	7987	Fair	1	А	41.083864	-81.503311
7700393	Glenwood Av	Over SR 8	120	7459	Fair	1	А	41.097564	-81.500267
7700989 SR 18	SR 18	SR 59 & Ohio Canal Encl	226	22152	Fair	1	А	41.08575	-81.519092
7701810 SR 59	SR 59	Lakeshore Oh Can Thornton	864	36144 Fair	Fair	1	А	41.063886	-81.537842
7701829 S	SR 59	\sim	008	33465	Fair	1	А	41.063333	-81.538333
7701934 S	SR 59	Conn Rmp(Mill St-Rand Av)	989	26749	Fair	1	А	41.083817	-81.519628
7701977 B	Bartges St	Over SR 59	196	15877	Fair	1	А	41.070364	-81.537778
7702701 IF	IR 77	Over Waterloo Rd	202	13702	Fair	1	Α	41.028856	-81.504867
7702736 IF	IR 77	100	206	12618	Fair	1	Α	41.028933	-81.504239
7702825 C	Cole Av	Over IR 77	158	9585	Fair	1	4	41.051617	-81.505642
7702884 IF	IR 77	Over Archwood Av	121	18526	Fair	1	٧	41.046444	-81.505508
7702914 L	7702914 Lovers Lane	Over IR 77	150	9125 Fair	Fair	1	А	41.05445	-81.505611
7702949 L	Lafollette Av	IR 77 & SR 8	223	12525 Fair	Fair	1	А	41.058961	-81.505714
7703961 IR 77	R 77	Under Schocalog Rd	259	10943	Fair	1	А	41.10885	-81.604039
7705557	IR 76	Over CSX Transportation	379	42448	Fair	1	А	41.035639	-81.576219
7706308	IR 76	Over Fuller St	89	10540	Fair	1	А	41.062517	-81.484053
7706480 II	IR 76	Over SR 18	163	21842	Fair	1	А	41.061311	-81.457339
7708742 S	3R 261	Over CSX Transportation	111	8424	Fair	1	А	41.102478	-81.489064
7709757	IR 277	Over Glenmount Av	119	11900	Fair	1	А	41.024436	-81.515553
7711220 SR 764	SR 764	Over IR 77	128	7808	Fair	1	А	41.039875	-81.505194
7760175 B	Brown St	Akron Barberton RR	34	2040 Fair	Fair	4	А	41.056531	-81.50995
	Thornton St	CSX & Conrail RR	325	19500 Fair	Fair	4	А	41.065886	-81.523433
7700091 S	SR 8	Over Beacon St AB RR	130	14874	Fair	1	Α	41.067836	-81.503967
7700555 S	SR 8	Over Gorge Blvd	126	14112	Fair	1	А	41.114286	-81.494225
	Dart Av	Ramp To Opport Pkwy	158	5845	Fair	1	А	41.074281	-81.537719
7702000 E	Euclid Av	Over SR 59	354	19824	Fair	1	А	41.075925	-81.537572
	Catawba Av	Over IR 77	163	6982	Fair	1	А	41.035678	-81.505331
7703600 IF	IR 77	Over Hawkins Av	160	19520	Fair	1	Α	41.061292	-81.569508
7703635 IR 77	R 77	Over SR 261	147	20482	Fair	1	Α	41.063903	-81.5727
7703880 V	7703880 White Pond Dr	IR 77	196	11662	Fair	1	Α	41.099058	-81.587456
7706537 S	SR 91	IR 76,L Cuy R,W&LE ABC RR	481	26696	Fair	1	А	41.064411	-81.43935
7707789	US 224	Over S Arlington St	147	16464 Fair	Fair	1	А	41.025828	-81.491783
7708297 S	SR 18	Over SR 8	126	10395 Fair	Fair	1	A	41.079953	-81.504106

Z L	Facility Corrigod		I oneth	Dock Arga		Moint	Ctotic	70	200
AKRON	AKRON (Continued)	ו בשנתו פס ווונבו אפרופת	Lengin	חבבע או כמ	NDI I atili 19		Otatus	Lat	Biog
7708629	SR 261	Over SR 59	160	12960	Fair	7	A	41.07315	-81.538006
7709609 IR 277	IR 277	Over Waterloo Rd	220	24640 Fair	Fair	1	A	41.031353	-81.549311
7762275	Carey Av Pedestrian	Over Mud Run	63	415	Fair	4	A	41.041719	-81.576419
BARBERTON	KTON						o O		•
7705433	IR 76	Ramp C&D Over Mud Run	26	624	Fair	1	А	41.036622	-81.578356
7731124	Coventry Rd	Mud Run	34.2	1164	Fair	3	А	41.033672	-81.579625
7705344	State St	Over US 224	176	11616	Fair	1	А	41.037353	-81.583711
7711034	SR 619	Tus R CSXT & ABC RR Sts	998	63218	Fair	1	А	41.028486	-81.587992
7731000	Norton Av	Wolf Creek	9	3445	Fair	3	٧	41.024672	-81.614603
7731019	Snyder Av	Tuscarawas River	61	2077	Fair	3	А	41.002844	-81.605944
7731043	7731043 W Wooster Rd	Hudson Run	29	4219 Fair	Fair	3	А	41.006797	-81.634178
7731108	7731108 Brady Av	Wolf Creek	72	2160 Fair	Fair	3	А	41.021719	-81.616042
BATH TWP	WP								
7732120 Ira Rd	Ira Rd	North Fork Yellow Creek	27.2	489	Poor	3	А	41.188886	-81.653256
7732155	Granger Rd	Yellow Creek	9	1561	Poor	3	А	41.160647	-81.649114
7732007	N Medina-Line Rd	Br Yellow Creek	23	644	Fair	3	А	41.153928	-81.686633
7732090	Yellow Creek Rd	Yellow Creek	64.8	2528	Fair	3	٧	41.160122	-81.600258
7732023	Cleve-Mass Rd	Yellow Creek	22	4489	Fair	3	У	41.157636	-81.635881
7732031	Cleve-Mass Rd	Br North Fork Stream	48	2808	Fair	3	А	41.162917	-81.636897
7732058	Cleve-Mass Rd	North Fork Stream	32	1872	Fair	3	А	41.176878	-81.636567
7732112	Ira Rd	Bath Ditch	32	1077	Fair	3	А	41.188839	-81.665064
7732171	Shade Rd	North Fork	28	775	Fair	3	А	41.175564	-81.635133
7732228	Hametown Rd	Br Yellow Creek	36	1346	Fair	3	А	41.15	-81.665
7732236	N Hametown Rd	Bath Ditch	26	884	Fair	3	А	41.189203	-81.665775
7732481	7732481 Martin Rd	Br Ira Creek	23	753	753 Fair	3	А	41.179492	-81.589628
7704267	IR 77	Over Bath Rd	121.5	2777	Fair	1	А	41.168889	-81.626308
BOSTON TWP	I TWP								• 1
7733038	7733038 Riverview Rd	Columbia Run	34.7	942	Fair	3	А	41.2756	-81.568011
2109099	IR 271	Over Boston Mills Rd	191	8022	Fair	1	А	41.264081	-81.552333
7709129 IR 271	IR 271	Over Boston Mills Rd	163	2868	Fair	1	А	41.263839	-81.552111
7733062	Akron-Peninsula Rd	Dickerson Run	34	1259	Fair	3	А	41.218361	-81.551975
7733070	Akron-Peninsula Rd	Salt Run	28	936	Fair	3	Α	41.226014	-81.547267
7733127		Furnace Run	86	3315	Fair	ဗ	A	41.2079	-81.584953
7729545		Over IR 271	406	26393	Fair	1	А	41.252681	-81.586922
7729596		Over IR 80	214.7	9106	Fair	1	A	41.252753	-81.585697
7709153	Hines Hill Rd	Over IR 271	287	8036	Fair	7	А	41.269928	-81.5438

SFN	Facility Carried	Features intersected	Length	Deck Area	NBI rating	Maint.	Status	Lat	Long
BOSTON HEIGHTS	HEIGHTS		,			i		•	
7700172 E	Bike Path	Over SR 8	251	2906	Fair	1	Α	41.228378	-81.489244
7700237	SR 8	Over SR 303	214	23541	Fair	1	٧	41.232161	-81.490167
7700253	SR 8	Over NB On Ramp From SR 303	127	13972	Fair	1	⋖	41.23435	-81.491597
COPLEY TWP	TWP								•
7735138 Wright Rd	Wright Rd	Pigeon Creek	49	1206	1206 Poor	3	٧	41.073586	-81.591083
7735189 Minor Rd	Minor Rd	Br Wolf Creek	21	714	714 Poor	3	٧	41.081211	-81.670214
5233119	5233119 Medina Line Rd	Wolf Creek	66	3025 Fair	Fair	3	Ь	41.087819	-81.687469
7735103	7735103 Shocalog Rd	Pigeon Creek	23	282	Fair	3	٧	41.096342	-81.603108
7735146 (Cleve-Mass Rd	Wolf Creek	48	1344	Fair	3	⋖	41.071594	-81.639314
7701500 \$	SR 21	Over Barberton Res Inlet	112	4928	Fair	1	⋖	41.085422	-81.662117
7701535	SR 21	Over Barberton Res Inlet	112	4928	Fair	1	۷	41.0853	-81.661742
7701756	IR 77 NB Off-ramp	To 21 SB (over SR 21)	225	7200	Fair	1	٧	41.120736	-81.653642
7704046	IR 77 NB	Over SR 21 NB	238	14756	Fair	1	⋖	41.123139	-81.652422
7735154 Minor Rd	Minor Rd	Wolf Creek	86	2745	Fair	3	⋖	41.081181	-81.656825
7735162	7735162 White Pond Dr	Pigeon Creek	34	1275 Fair	Fair	3	۷	41.092086	-81.590331
7735200 Jacoby Rd	Jacoby Rd	Pigeon Creek	20	029	670 Fair	3	٧	41.106769	-81.619414
7701748	7701748 Ridgewood Rd	Over SR 21 NB	219	8322 Fair	Fair	1	۷	41.111486	-81.654964
7703945	IR 77 SB On-ramp	From Miller Rd (Over IR 77)	361	13718	Fair	1	⋖	41.112492	-81.609911
7704038 IR 77 SB	IR 77 SB	Over SR 21 NB	238	11900	Fair	1	٧	41.12295	-81.652722
COVENTRY TWP	Y TWP								
7736029	S Main St	Feeder Channel	20.5	1181	Fair	3	٧	41.014158	-81.523603
7702469 Killian Rd	Killian Rd	Over IR 77	282.5	16437	Fair	1	∢	40.997336	-81.493525
7702558 IR 77	IR 77	Tuscarawas River	161	9016 Fair	Fair	1	٧	41.0071	-81.494458
7702647	7702647 IR 77 SB Off-ramp	To US 224 Eb (over IR 77 NB)	233	6990 Fair	Fair	1	٧	41.023653	-81.498925
7709811 IR 277	IR 277	Over IR 77	261	59653 Fair	Fair	1	٧	41.025186	-81.502358
7736002	7736002 Arlington Rd	Tuscarawas River	73	3800	Fair	3	٧	41.007194	-81.492006
7736061 F	Portage Lakes Dr	East Reservoir Outlet	23	1081	Fair	3	٧	40.995797	-81.534769
7736088 F	Portage Lakes Dr	East Reservoir Outlet	29	1033	Fair	3	٧	41.001011	-81.531394
CUYAHOGA FALLS	3A FALLS								
7745087 F	Riverview Rd	Furnace Run	125.3	4760	Poor	3	Ь	41.201339	-81.573414
7700679 F	Ped Bridge	Over SR 8, S of Graham Rd	601	6010 Poor	Poor	1	٧	41.1597	-81.468772
7700601	7700601 Portage Trail SB Ramp	To SR 8 SB	209	6270 Fair	Fair	1	٧	41.135597	-81.481139
7700628	7700628 SR 8 NB Off-ramp	To Portage Trail	329	10528 Fair	Fair	1	А	41.135256	-81.480617
7700733	7700733 SR 8 SB Off-ramp	Relief Sidehill Struct	358	10651	Fair	1	А	41.134875	-81.4815
7763832 E	Bath Rd	Mudd Brook	92	3681	Fair	4	٧	41.158333	-81.505
7700598	SR 8	Over Broad Blvd	80	10800	Fair	1	⋖	41.133464	-81.481092
7700644	SR 8 & SR 59	Cuyahoga River	150	18900	Fair	7	⋖	41.139939	-81.477939

SFN Fac	Facility Carried	Features intersected	Length	Deck Area NBI rating	Maint.	Status Lat		Long
CUYAHOGA	CUYAHOGA FALLS (Continued)							
7710828 Bai	Bailey Rd	Over SR 8	210	8820 Fair	1 A	41	.146436 -8	-81.475103
FAIRLAWN								
	Elgin Dr	Schocalog Run	23	527 Fair	4 A	41.126303		-81.625764
GREEN								
7739109 Chi	7739109 Christman Road	Nimisila Reservoir	43	1172 Poor	3 P	40.924522		-81.515564
7711131 SR	SR 619	Over IR 77	394	14542 Fair		40.974211	·	-81.478361
7739117 May	Mayfair Rd	Heckman Ditch	27	893 Fair	3 A	40.952053		-81.437033
7739125 Rat	Raber Rd	Br Tuscarawas River	54	1399 Fair		40.965347	·	-81.430539
7739397 Arli	Arlington Rd	Nimisila Creek	37	1485 Fair	8 B	40.908989		-81.497147
7702434 IR 77	77	Over S Arlington Rd	313	24727 Fair	1 A	40.987506		-81.492375
HUDSON						·		•
7767811 Ing	Ingleside Dr	Brandywine Creek	25	817 Poor	4 P	41.245997		-81.466497
7740085 E. I	E. Hines Hill Rd	Brandywine Creek	32.3	1049 Fair	3 A	41.260278		-81.489186
7740093 Hin	Hines Hill Rd	Br Brandywine Creek	20	540 Fair		41.260808		-81.474831
7740107 Hin	Hines Hill Rd	Br Brandywine Creek	23	625 Fair	3 A	41.263383		-81.451242
7740115 Hin	Hines Hill Rd	Br Brandywine Creek	20	545 Fair	3 A	41.263831		-81.448189
7740220 Dill	Dillman Dr	Wagar Ditch	26	732 Fair	4 A	41	.259925 -8	-81.407069
7710593 IR	IR 480	Tinkers Creek	245	10780 Fair	1 A	41	.266053 -	-81.393367
MACEDONIA			•				•	•
7700725 SR 8	8	Indian Creek	33	792 Fair	1 A	41.301019		-81.515947
7710143 IR 480 WB	480 WB	Over Bedford Rd	145	6380 Fair	1 A	41.349803		-81.508633
7742045 Bedford Rd	dford Rd	Indian Creek	25	1825 Fair	3 A	41.311825		-81.509631
7710178 IR 480 EB	480 EB	Over Bedford Rd	145	6380 Fair	1 A	41.349267		-81.508992
MUNROE FALLS	VILS							
7759339 Par	Park Rd	Main Lake Inlet	28	567 Fair	CB	41	.129722	-81.425194
7707142 SR 91	91	Cuyahoga River	148	5027 Fair		41	.142142	-81.438822
NEW FRANKLIN	KLIN							•
7738161 Ber	Benner Rd	Nimisila Creek	44	1056 Poor	4 P	40.912497		-81.594711
7738153 Grill Rd	II Rd	Pancake Creek	34	680 Fair	4 A	40.969942		-81.623083
7711107 SR	SR 619	Over Turkeyfoot Channel	118	4715 Fair	1 A	40.980258		-81.535378
7738188 Gro	Grove Rd	Br Tuscarawas River	23	794 Fair	3 A	40.970875		-81.591231
7738331 Orr	Ormond Dr	Turkeyfoot Lake Channel	44	1082 Fair	4 A	40.97705		-81.537794
7738366 S N	S Main St	Nimisila Creek	49	1862 Fair	3 A	40.923019		-81.535625
7707479 SR	SR 93	Nimisila Creek	08	5760 Fair		40.915908		-81.561383
NORTHFIEL	NORTHFIELD CENTER TWP							
7746032 Brandywine Rd	andywine Rd	Brandywine Creek	160.5	4495 Poor	3 A	41.276483		-81.537736
7746040 Stanford Rd	inford Rd	Br Brandywine Ck	20	603 Fair		41.276667		-81.548333
				¢.	•			Ì

SFN	SFN Facility Carried	Features intersected	Length	Deck Area	NBI rating	Maint.	Status	Lat	Long
NORTHF	NORTHFIELD CENTER TWP (Continued)	(pen							
7746016	7746016 Highland Rd	Brandywine Creek	77	2465	Fair	3	Α	41.276667	-81.538333
7709188	Brandywine Rd	Over IR 271	263	7364	Fair	1	٧	41.275675	-81.537006
7709242	IR 271 NB	Over Akron Clev Rd	135	2673	Fair	1	٧	41.29335	-81.521922
7709307	IR 271	Brandywine Creek	161	6762	Fair	1	٧	41.294153	-81.521556
NORTON									
7701322 SR 21	SR 21	Br Hudson Creek	34	818	818 Fair	1	А	41.027681	-81.665111
7701055	7701055 SR 21 SB	Over SR 585	249	12201 Fair	Fair	1	٧	40.992467	-81.663114
7701144	7701144 SR 21 NB	Over SR 585	249	9213 Fair	Fair	1	۷	40.992667	-81.662706
7701179	Johnson Rd	SR 21	202	8989	Fair	1	⋖	41.00385	-81.661578
7701268	SR 21	Br Hudson Creek	28	299	Fair	1	٧	41.017919	-81.665217
7704895	IR 76	Hudson Run	24	581	Fair	1	۷	41.040136	-81.681483
7704925	Hametown Rd	US 224	246	7626	Fair	1	٧	41.039689	-81.667089
7705018	IR 76	Over SR 21	259	34965	Fair	1	٧	41.039931	-81.663458
7708556	SR 261	Pigeon Creek	54	2379	Fair	1	۷	41.056639	-81.601983
7708580	SR 261	Pigeon Creek	54	2379	Fair	1	٧	41.0574	-81.598711
7747144	7747144 Summit Rd	Wolf Creek	22	2465 Fair	Fair	3	٧	41.048811	-81.599917
7747225	7747225 Hametown Rd	Hudson Run	32	1033 Fair	Fair	3	۷	41.028881	-81.667272
7701209 SR 21	SR 21	Over Dorothy St & ABC RR	239	8365	Fair	1	⋖	41.014092	-81.664389
7705042	Easton Rd	Over US 224	211	6545	Fair	1	٧	41.039511	-81.648011
7708491	SR 261	Van Hyning Run	22	527	Fair	1	٧	41.050086	-81.646156
7708521	SR 261	Wolf Creek	106	4661	Fair	1	٧	41.055036	-81.608994
7708467	SR 261	Over SR 21	203	11165	Fair	1	٧	41.049469	-81.662628
PENINSULA	LA								
7709935 SR 303	SR 303	Cuyahoga River	213	8520 Fair	Fair	1	А	41.241297	-81.550339
REMINDERVILLE	ERVILLE								
7758022	7758022 Glenwood Blvd	Pond Brook	24	928	958 Fair	3	А	41.341881	-81.405183
RICHFIELD	О-								•
7750013	7750013 Brecksville Rd	Furnace Run	43	2501 Fair	Fair	3	А	41.257697	-81.633314
RICHFIELD TWP	_D TWP								
7749007	Everett Rd	Branch Furnace Run	23	529	Fair	3	×	41.205742	-81.592611
	Wheatley Rd	Riding Run	35.3	1166	Fair	3	А	41.216217	-81.592556
7749066	Brush Rd	Furnace Run	34.3	1141	Fair	3	А	41.253156	-81.629522
7704658	IR 77	Furnace Run	161.1	7249	Fair	1	А	41.254528	-81.630972
7707711	SR 176	Over IR 77	305	16318 Fair	Fair	1	٧	41.2208	-81.626064
7749015	Harter Rd	East Br Rocky River	30	721	721 Fair	3	А	41.21	-81.685
7749031	7749031 Townsend Rd	Furnace Run	28	952	952 Fair	3	А	41.268506	-81.641244
7749082	7749082 Townsend Rd	Br Furnace Run	21	714	714 Fair	3	A	41.261453	-81.638283

SFN Facility Carried	Features intersected	Length	Deck Area NBI rating	Maint.	Status	Lat	Long
RICHFIELD TWP (Continued)							•
7708793 Medina Line Rd	Over IR 271	327	9810 Fair	1	А	41.203806	-81.678397
7708823 Southern Rd	Over IR 271	337	10110 Fair	1	A	41.212314	-81.661111
SAGAMORE HILLS TWP							
7751087 Greenwood Pkwy	Br Cuyahoga River	20	840 Fair	3	A	41.309117	-81.5667
7706871 SR 82	Cuy Riv-B&O Rr-Bike Path	1133	49288 Fair	1	А	41.321292	-81.587194
7751044 Houghton Rd	Br Sagamore Creek	22	549 Fair	3	А	41.343333	-81.551667
7751109 Holzhauer Rd	Br Cuyahoga River	20	678 Fair	3	٨	41.311667	-81.558333
SPRINGFIELD TWP					•		
7752067 Pressler Rd	S Fork Tuscarawas River	42.5	1414 Poor	3	А	40.988675	-81.436586
7708076 SR 241	Over Metro Rta RR	188	8836 Fair	1	А	41.005733	-81.463633
7752008 Canton Rd	E Fork Tuscarawas River	28	1851 Fair	3	A	40.990947	-81.405614
7706669 IR 76	Over Gilchrist Rd	286	32034 Fair	1	٨	41.065153	-81.434572
STOW							
7753047 Hudson Dr	Powers Brook	27.5	1022 Poor	3	А	41.202264	-81.454878
7700148 SR 8	Seasons Rd	689	75790 Fair	1	A	41.201525	-81.482297
7700075 SR 8	Over Hudson Dr	201	22110 Fair	1	A	41.16675	-81.476183
7700083 SR 8	Mud Brook & ABD RR Spur	219	24090 Fair	1	٨	41.171608	-81.479325
7700105 Steels Corners Rd	Over SR 8	156.5	13444 Fair	1	⋖	41.181275	-81.47825
7700121 SR 8	Mud Brook	120	12960 Fair	1	A	41.196117	-81.479775
7702019 SR 59	Fish Creek	28	1624 Fair	1	А	41.154278	-81.396519
7753063 North River Rd	Fish Creek	29	1421 Fair	3	A	41.145	-81.396667
7753128 Fishcreek Rd	Powers Brook	28	1001 Fair	3	٨	41.195	-81.433333
7700113 SR 8	Over Hampshire Rd	123	13530 Fair	1	A	41.188303	-81.477611
TALLMADGE							
7706693 Munroe Falls Rd	Over IR 76	266	9842 Fair	1	А	41.070681	-81.417217
7706723 Newton St	Over IR 76	399	14763 Fair	1	А	41.072272	-81.414183
TWINSBURG							
7755058 Glenwood Dr	Tinkers Creek	118	3897 Fair	3	А	41.3406	-81.454794
	Over SR 14	325	9750 Fair	1	А	41.338503	-81.489108
7706960 SR 82	Over IR 480	330	29205 Fair	1	А	41.31145	-81.451625
7710356 IR 480 WB	Over SR 91	221	10166 Fair	1	А	41.306181	-81.440503
7710380 IR 480 EB	Over SR 91	221	9724 Fair	1	А	41.305767	-81.440575
TWINSBURG TWP							
7710534 IR 480	Over Stow Rd	119	4284 Fair	1	А	41.276739	-81.410017
7710445 IR 480	Over Stow Rd	119	4284 Fair	1	A	41.277094	-81.409814
7756003 Chamberlain Rd	Norfolk Southern RR	118	4484 Fair	3	٧	41.305	-81.471667
7756011 Chamberlain Rd	Norfolk Southern RR	118	4489 Fair	3	۷	41.302222	-81.472175

Long		-81.675281	-81.728333	-81.705717	-81.685086	-81.740028	-81.736997	-81.730894	-81.675553	-81.671656	-81.724122	-81.7244	-81.734236	-81.743233	-81.709394	•	-81.841686	-81.858656	-81.785458	-81.878614	-81.769725	-81.812372	-81.850631	-81.850494	-81.864233	-81.826331	-81.812172	-81.834744	-81.76685		-81.7725	-81.781511	-81.764875
Lat	•	40.9411	40.988333	40.935531	40.932464	40.924475	40.955161	40.959289	40.936131	40.948958	40.927158	40.939336	40.952517	40.946386	40.969078	•	40.975136	40.982347	40.988206	40.927961	40.909453	40.945722	40.962692	40.966494	40.968703	40.931011	40.954939	40.965814	40.91685		40.974947	40.980228	40.98815
. Status	,	Ь	А	А	А	А	А	А	٧	٧	А	4	٧	А	А		٧	Ь	Ь	А	А	А	А	А	А	А	А	А	А		А	А	A
Maint		3	3	3	3	1	1	1	3	3	3	3	3	1	1		3	3	3	3	3	1	3	3	3	3	3	3	3		3	3	3
NBI rating		Poor	Poor	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair		Poor	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair		Fair	Fair	Fair
Deck Area NBI rating Maint.	•	407	518 Poor	3062 Poor	3197 Fair	648	10314	4092	725 Fair	1036 Fair	524 Fair	3062 Fair	1094	6440	7642	•	359 Pool	1316 Fair	616 Fair	469	640	3146 Fair	776 Fair	820 Fair	400 Fair	1265 Fair	1053	851	335 Fair		4281 Fair	1296 Fair	1647
Length	,	27.5	21	125.5	130.5	27	223	63	34.5	43	30.3	125.5	45.6	159	247.2		22.3	26	22	25.5	31.7	98	43.1	48.8	20	61.7	51.6	32	21.6		105.7	30.7	22
Features intersected		Silver Creek	Mill Creek	Chippewa Creek	Chippewa Creek	Ditch	CSXT RR & Access Rd	Mill Creek	Silver Creek	Silver Creek	East Branch of Red Run	Chippewa Creek	Mill Creek	Chippewa Creek	SR 585		Wald Ditch	Chippewa Creek	River Styx	Branch Of Chippewa	W. Branch Red Run	Chippewa Creek	Steele Ditch	Chippewa Creek	R M Carnahan Ditch	Little Chippewa Creek	Chippewa Creek	Fall Creek	W Branch Red Run		River Styx	Landis Ditch	River Styx
Facility Carried	VA TWP	8535906 Galehouse Rd	Eastern Rd	8535760 Coal Bank Rd	Black Diamond Rd	SR 94	SR 94 & SR 585	SR 585	Hametown Rd	8535868 Clinton Road	Porr Rd	Porr Rd	Galehouse Rd	SR 94	Doylestown Rd	TWP	Zigler Rd	8547149 Doylestown Rd	Eastern Rd	Honeytown Rd	Yoder Rd	SR 604	Miller Rd	Miller Rd	Eby Rd	Steiner Rd	Blough Rd	Atlantic Av	Pleasant Home Rd		8547114 E Ohio Ave	N Main St	Eastern Rd
SFN	CHIPPEWA TWP	8535906	5235464	8535760	8535825	8504059	8504113	8506124	8535833	8535868	8535922 Porr Rd	8535949	8535981	8504083	8506213	MILTON TWP	8546959 Zigler Rd	8547149	8547475	8532060	8547416	8506574	8547041 Miller Rd	8547068 Miller Rd	8547246 Eby Rd	8547289	8547343	8547424	8547440	RITTMAN	8547114	8546975	5235456